AD-A118 506 UNCLASSIFIED	AIR FORCE ENVINATRONA COUNTY JUL 82 USAFETAC/DS-82	TOTAL SPERT MITTOR	HNICAL APPLICATIONS OF THE SECOND OF THE SEC	ORM SUMMARY	OF SURFETC(II)
4 0 6 F					NL.

AD A118506	PHOTOGRAPH THIS SHEET AD-E850200 ATTENTION: Camera Operator When Filming attached document use Bell & Howell camera ONLY::: LEVEL Consult with Supervisor for further instructions. USAFETAC / DS-82/044 DOCUMENT IDENTIFICATION DISTRIBUTION STATEMENT A Approved for public releases Distribution Unlimited DISTRIBUTION STATEMENT
A	Selecte Aug 23 1982
	82 08 05 001 DATE RECEIVED IN DTIC PSD
DTIC FORM 70A	PHOTOGRAPH THIS SHEET AND RETURN TO DTIC-DDA-2 DOCUMENT PROCESSING SHEET

ADE 850 200

AD A118506

USAFETAC DS-82/041

DATA PROCESSING DIVISION USAFETAC Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

NATRONA CO/CASPER WY MSC #725690 N 42 55 W 106 28 FLD ELEV 5368 FT CPR

PARTS A-F
POR FROM HOURLY OBS: JAN 73 - DEC 81
POR FROM DAILY OBS: MAR 50 - DEC 81

TIME CONVERSION GMT TO LST: -7

'AUL 16 1962

FOR PUBLIC RELEASE AND SALE; ITS DISTRIBUTION IS UNLIMITED. "

ASHEVILLE, N. C.

AWS TECHNICAL LIBRARY FL 4414 SCOTT AFB, IL 6226

i ii

727 111

1

550-462

REVIEW AND APPROVAL STATEMENT

This report is approved for public release. There is no objection to unlimited distribution of this report to the public at large, or by DDC to the National Technical Information Service (NTIS).

This technical report has been reviewed and is approved for publication.

WAYNE E MCCOLLOM Chief, rechnical Information Section

USAFETAC/TST

FOR THE COMMANDER

AWS Scientific and Technical Information Officer (STINFO)

INCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE (When De & Entered) READ INSTRUCTIONS BEFORE COMPLETING FORM REPORT DOCUMENTATION PAGE 2. GOVT ACCESSION NO. USAFETAC/DS-82/041 TYPE OF REPORT & PERIOD COVERED A TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Final rept. Observations (RUSSWO)-6. PERFORMING ORG. REPORT NUMBER NATRONA CO/CASPER, WYOMING CONTRACT OR GRANT NUMBER(s) 7. AUTHOR(a) PERFORMING ORGANIZATION NAME AND ADDRESS USAFETAC/OL-A 10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS Air Force Environmental Technical Appl. Center Scott AFB IL 62225 USAFETAC/CBD 12. REPORT DATE 16 JUL 82 Air Weather Service (MAC) NUMBER OF PAGES Scott AFB IL 62225 4 MONITORING AGENCY NAME & ADDRESS(II different from Controlling Office) SECURITY CLASS. (of this report)
UNCLASSIFIED 15a. DECLASSIFICATION/DOWNGRADING 16. DISTHIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited. 17 DISTRIBUTION STATEMENT (of the obstract untered in Block 20, if different from Report) IR SUPPLEMENTARY NOTES *RUSSWO Continue on reverse size if necessary and identify by block Daily temperatures Atmospheric pressure Snowfall Extreme surface winds Extreme snow depth Climatology Sea-level pressure Psychnemeteric summary Ceiling versus visibility Surface Winds Extreme temperature Relative Humidity *Climatological data (over) ABSTRACT (Confines on reverse side if necessary and idequity by block number)
This report is a six-part statisitical summary of surface weather observations for NATRONA CO/CASPER, WYOMING It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena;

(B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)

DD , FORM , 1473

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

INCLASSIFIED
SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentage frenquency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

WYOMING

NATRONA CO, WYOMING CASPER, WYOMING

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurance or cumulative percentage frequency of occuring tables.

UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE/Then Date Entered

The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 99999) which will appear on future OL-A standard products.

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

iourch observations are seithed as those record or record-special paserustions recorded at scheduled adurity intervals.

DAILY OBSERVATIONS

followed series long are detected from a long recorded on reporting forms and contined into Junuary of the lay discreasions. (Lewested from record-special, Loos), summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

receivant each size lond, a crief description of the data comprising each part of the Pevised Uniform Admary of Juriace Weather discretions and the manner of presentations, landarious are prepared from howing and daily discretions recorded ty stations operated ty the ". J. Jer-Jose foreign stations using Limitar reporting practices."

and a programmed noted the 15. Lowing a smarles are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV .

[DRY BULB, WET BULB, & DEW POINT]

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All dummaries requiring diarnal variations are summarized in eight (-nour periods corresponding to the following sets of nourly observations: 500-400, 600-600, 600-110, incc-1400, 1500-1700, inco-2000 hours local standard time.

MISSING HOUR GROUPS

Commany sheet are omitted when stations maintaining limited observing schedules did not report certain three-nour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from houring observations.

MIRUARY	APEIL	JULY	OCTOBER
Y. D.H. UAD: Y	MAY	AUGUST	NOVEMBER
MARCH	JUNIE	ЗЕРТЕМВЕК	DECEMBER

7256	90	NATRONA COUNTY IAP/WY CAS			2 55	W 106 28	5368	c	WMO NUMPER		
		STATION LOCATION	ON A	ND IN	ISTRU	JMENT	ATION	HIST	ORY		
OF OCATION		GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS L	OCATION TO	LATITUDE	LONGITUDE	ELEVATION ABOVE WSL FIELD (FT) HT. BARD,		OBS PER DAT	
	Same Same Same Natrona Same	County IAP	WBAS WBAS WBO WSO WSO WSO	Mar 50 Sep 52 Jan 68 Jan 70 Jan 73 Jun 76	Aug 52 Dec 67 Dec 69 Dec 72 May 76 Mar 82	N 42 55 Same Same Same Same	W 106 28 Same Same Same Same Same	5348 Same Same Same Same	5323 Same Same Same Same	24	
UMBER	DATE	SURFACE WIN	D EGUIPMENT	INFORMATION							
OF CATION	OF CHANGE	LOCATION		TYPE OF TRANSMITTE	R RECORDER	NT ABOVE CROWND					
	12 Nov58 12 Aug64	Located on Control Tower Located 1 Teminal Tower Located on Roof Located on ground Located on ground		ESI SA ESI SA F420C F420C F420C	F312	80 ft 29 ft 33 ft 20 ft 20 ft 4					

(

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 ani later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WRAM sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

A - 1

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

CE PAL CLIMATOLOGY BRANCH PRITAC A CEATHER SERVICE/MAC

WEATHER CONDITIONS

549 STRONA	COZCASPER	wΥ
------------	-----------	----

JA".

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY GESERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SHOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	a = 25				18.8		13.8	1.6		• 4		1.5	325
	3- 15				16.8		16.8	1.8		• 2		2.1	8.27
	. - - 7 9		• 1		15.3		15.4	2.6		. 4		2.9	817
	c-11		. 1		13.2		13.3	1.9	• 1	1.1		3 • 2	921
	17-14		• 2		13.3		13.4	• 9		. 4		1.2	613
	15-17		• 1		11.5		11.1	• 6		. 4		1.0	52 7
	14-20		• 2		12.3		12.3	1.2		. 4		1.6	631
	. 1-23		• ?		15.8		15.9	1.7				1.7	827
												 	
			ļ						ļ		·		
TOTALS			• 1		14.5		14.6	1.5	• 3	.4		2	6504

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC NEVA. 0-10-5(QL &L PREVIOUS EDITIONS OF THE PORM ARE ORIGIN	USAPETAC	PORM	0-10-5(QL	AL PREVIOUS COMONS OF THE PORM ARE ORIGIN
--	----------	------	-----------	---

L. - BL. CEIMITCEO, Y. BRANCH L. - SITAC BY SEATHER SERVICE/MAC

WEATHER CONDITIONS

56.9 STATION

į,

VATRONA COZCASPER MY

19-27

525 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND: OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
۳٤٠	.3		• 1		1 4 • 3		14.3	. 7		. 3		1.5	746
	3-05			. 4	14.1		14.5	1.6		. 8		2 • 3	752
	16-36		• 3	• 1	12.1		12.4	3.7		.5		4.3	752
	19-11				10.4		10.4	3.2				7.2	748
	17-14		• 4		10.2		10.5	1.2				1.2	754
	15-17		•3		9.3		9.6	1.2				1.2	751
	18-20		• 3		12.1		12.4	1.1		. 4		1.5	751
	21-23		•5		15.5		15.9	• 4		• 8		1.2	750
													
TOTALS			• 7	•1	12.3	- · · · · ·	12.5	1.6		.4		2 • 1	6504

ORIGINAL DATA RECOPDED IN SYNOPTIC CODE

USAFETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS PORM ARE OSSOLETE

AL CLIMATCLOGY BRANCH

SERVICE/MAC

WEATHER CONDITIONS

ا ورده

MATRONA COZCASPER WY

73-81

MAR

STATION

STATION NAME

HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOUPLY DESERVATIONS .

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
мдо	- 3- 32		•6		14.4		14.5	1.1		1.7		2.1	519
	73-75		• 2		17.8		18.1	1.5		.7		2.2	825
	26-06		.7		13.6		19.3	2.4		.7	· ·	3.2	523
	19-11		•7		16.0		16.7	2.3		• 5	·	2.8	525
	12-14		1.5		12.2		13.5	• 5		. 7		1.2	825
	15-17	•1	1.4		9.6		10.8	1.2		• 2	.1	1.6	831
	13-27	.1	• 6		10.9		11.6	. 9	·	1.0		1.8	827
	21-23	.1	1.0		12.1		12.9	• 5	~ ~	1.3		1.8	817
- 									i <u> </u>				
TOTALS		• 0	.8		14.7		14.7	1.3		. 8	•0	2.1	6587

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC PART 44 0-10-5(OL A), PREVIOUS SOMENS OF THIS FORM ARE OSSOLETE

20 24 0

LESAL CLIMATOLOGY PRANCH STATETAC A - * *EATHER SERVICE/MAC

WEATHER CONDITIONS

~ 56**9** * STATION WATRONA COZCASPER MY

73-81

APR

STATION NAME

PEPCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SHOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
100	:0~02		4.2		13.7		14.1	2.8		.4		3.2	787
	. 3-05		3.6	• 1	11.2		14.2	4.2		• 5		4.7	795
	}6 - 08		2.5	• 5	10.2		13.2	6.9		1.0		7.9	796
	ù9 -11		2•9		11.2		14.1	2.4		.1		2.5	796
	12-14	. 6	4.5		10.5		13.6	1.8				1.8	793
	15-17	. 3	5.8		9.2		13.4	1.3				1.3	791
	18-29	. 4	4.5		9.1	•1	12.8	1.4		•1		1.5	792
	21-23	.5	4.4		10.7		13.8	• 5				.5	791
											: 		·
TOTALS		• 2	4.1	•1	10.4	• 0	13.7	2.7	<u></u>	• 3		2.9	6341

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC FORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

LE HAL CLIMATOLOGY BRANCH CONTETAC A CATHER SERVICE/MAC

WEATHER CONDITIONS

SE 9

-0

C

NATRONA CO/CASPER WY

STATION NAME

73-81

M A Y

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
~AY	3 0-02	• 1	7.5		5.2		11.7	1.8		. 4		2.2	826
	3-05	• 2	6.0		6.4		11.2	3.5		.4		3.9	822
	36-38	• 1	ნ . 1		6.4		11.7	4.5				4.5	823
	09-11		5.1		5.8		11.3	3.4	•1	,		3.5	822
	1?-14	2 • 1	7.4		3.6		10.7	3.2				3.2	814
	15-17	2.4	11.3		3.5		13.9	2.9				2.9	826
	18-21	1.5	8.7		3.6		12.0	2.7				2.7	827
	21-23	1.5	9.5		4.3		12.9	1.2				1.2	821
							-						
													·
TOTALS		1.1	7.8		4.9		11.9	2.9	• 6	•1		3.0	6581

OPIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC RAY 64 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

CELEAL CLIMATOLOGY BRANCH DIRECTAC AL REATHER SERVICEZMAC

WEATHER CONDITIONS

669

NATRONA CO/CASPER WY

73-81

STATION

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIF.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
ماز ال	00-02	. 8	3.1		• 4		3.1	•1				• 1	796
	0 3- 65		2.0		• 3	• 1	2.0	• 3				. 3	797
	25-08		2.3		. 3		2.0	•1				-1	794
	39-11		2.1		• 5		2.4						794
	12-14	2.1	3.8		• 3		3.8						795
	15-17	4 - 8	6.7				6.7						789
	18-27	1.0	3.8				3 • 8						793
	21-23	1.5	3.9				3.9	•1	•1			•1	795
TOTALS		1.3	3.4		• 2	•0	3.5	• 1	•0			• 1	6753

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC POINT 0-10-5(QL A), PREVIOUS ROMONS OF THIS FORM ARE ORSOLETE

THE FALL CLITMATCLOGY BRANCH

IN FAL CLIMATCLOGY BRANCH MATETAC Association Service/Mac

WEATHER CONDITIONS

5559

 C_{i}

NATPONA COZCASPED MY

STATION NAME

73-81

CONDITIONS FROM HOURLY OBSERVATIONS

JUL MONTH

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Jul	. a- 13	• 6	2.5				2.5	1.1				1.1	816
	3 - 05	•1	2 • 2				2.2	1.3				1.3	824
	ე6 − ეგ	•2	• 9				.9	1.3	•1			1.3	827
	39-11	. 4	2.2				2.2	•1	•1			• 2	821
	12-14	2 • 4	3.7				3.7						817
	15-17	4.5	5.4			• 1	5.4	• 2				•2	814
	18-2	5.3	6.4				6.4	•1				.1	812
	11-23	2 • 1	5 • 6				5.6	•6				•6	821
	,							· · · · · · · · · · · · · · · · · · ·					
TOTALS		2.0	3.6			• 0	3.6	• 6	•0			.6	6545

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC ALV AL 0-10-5(QL A), PREVIOUS SOPROMS OF THIS FORM ARE OSSOLETE

CLORAL CLIMATOLOGY BRANCH COMPETAC ATT WEATHER SERVICE/MAC

WEATHER CONDITIONS

869 NATRONA CO/CASPER WY

73-81

A U G

STATION

 ϵ

0

STATION NAME

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	FAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	rog	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
A . G	9-04	•5	2.2				2.2	• 1				• 1	818
	:3 + 05	.4	2.1				2.1	• 5				• 5	824
	06-38	•2	2.4				2.4	1.0				1.0	817
	39-11		2.5				2.8	• 2				• 2	9 C9
	12-14	1.1	2.8				2.3	• 1				• 1	823
	15-17	2.4	5.4				5.4						817
	19-2	1.8	0 4				4.0						830
	21-23	1.8	3.5				3.5						826
													_
													 -
TOTALS		1.0	5.2				3.2	• 2				.2	6563

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC ART 64 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE CHECKET

SEFFAL CLIMATOLOGY BRANCH CLAFETEC A'S REATHER SERVICE/MAC

WEATHER CONDITIONS

569

NATRONA COZCASPER WY

STATION NAME

73-81

YEARS

SEF MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOUPLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
165	U n- 0:	. 4	3.4		• 6		4.0	• 3				• 3	797
	.3-05	• 3	3.7		. 4		4.0	1.1				1.1	792
	€6 - 18		4.4		• 6		4.6	2.5	•1			2.7	792
	(9-11		3.0		• 5		3.5	. 9	• 3			1.1	797
	12-14	. 3	3.9		• 3		4 - 2	• 3				• 3	790
	15-17	. 5	3.4		. 5		3.5						797
	18-20	. 5	5.6		. 4		6.0	. 3				. 3	761
	21-23	. 3	4.5		.4		4.9		· · · · · · · · · · · · · · · · · · ·		·		794
•													
										-			
TOTALS		. 3	4.0		• 5		4.4	.7	•1			. 7	6340

ORIGINAL DATA RECOPDED IN SYNOPTIC CODE

USAPETAC ANY 84 0-10-5(QL A), PREVIOUS SOFTIONS OF THIS FORM ARE CONCLET

CLIPAL CLIPATOLOGY BRANCH LIAFETAC AL REATHER SERVICE/MAC

WEATHER CONDITIONS

STATION STATION NAME

73-81

OCT

AIRON SIAIRON NAME

PEPCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SHOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	ILOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
CCT	·0-02		4.0		5.2		8.5	1.2				1.2	825
	u3+05		2.7		5.9		8.3	1.5				1.5	818
	16-Ca		2.9		5.5		7.8	2.6		•2		2 • 8	816
	J9-11		2.3		5.4		7.2	1.0	•1	• 2		1.3	819
	12-14	.1	2.2		3.6		5.2	. 4				. 4	807
	15-17	• 1	2.5		4.1		6.3	• 5				.5	827
	18-20		3.6		4 - 1		7.4	• 2				• 2	855
	21-23		3.6		4.7		8.0	•6				•6	814
													
TOTALS		•0	3.0		4.8		7.3	1.0	•0	•1		1.1	6548

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC POINT 0-10-5(QL A), PREVIOUS SOTTONS OF THIS POINT ARE OSSOLETE

C

-L. FAL CLIMATOLOGY BRANCH

A PEATHER SERVICE/MAC

WEATHER COND

569 STATION

-(

()

0

NATRONA CO/CASPER MY

STATION NAME

. . .

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

73-61

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SHOW	DUST AND/OR SAND	1.00	
NOV	0-02				9.9		9.9	2.3		1.5		3.8	
	ú3−05		.4	. 3	11.0		11.7	2.3	_	. 9		3.1	791
	.i6-38		.4	•1	10.8		11.2	2.9		.9		3.8	791
	89-11		•1		8 • 3		8.4	1.9		. 4		2.3	793
	12-14		• 5		8.6		9.0	1.0	_	. 6		1.6	790
	15-17		.4		7.7		8.0	. 9		. 5		1.4	792
	18-2.		•1		7.7		7.8	. 4		• 5		.9	797
	21-23		•1		11.0	_	11.1	1.6		• 5		2.1	794
TOTALS			• 3	•1	9.4		9.6	1.7		.7		2.4	6355

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC POINT 0-10-5(QL A), regyious somons of this folial are obsole

TLEGAL CLIMATOLOGY BRANCH

ATT WEATHER SERVICE/MAC

WEATHER CONDITIONS

7. 569 NATRONA CO/CASPER MY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DLC	10-02		•		10.3		10.5	1.0		• 5		1.5	819
	₁3 ÷∂5				12.0		12.0	2.1		. 6		2.7	816
	36-38			•1	12.1		12.3	1.7		-6		2.3	824
	09-11		•1	.4	11.9		12.2	1.9		1.0		2.9	822
	1?-14		• 2	- 1	7.8	_	10.0	1.9		• 2		2.2	827
	15-17		.4		7.9		8.0	1.6		• 1		1.6	815
	18-20		•1		9.9		10.0	. 9	-	.4		1.2	816
	21-23		•2		9.7		10.0	1.8		.7		2.6	814
													
TOTALS			•2	•1	10.5		10.6	1.6		•5		2.1	6553

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC POINT 0-10-5(QL A), regious sumons of this form are desouted

ť.

SECOLE CLIMATOLOUY BRANCH LO SETAC AS SEPTICES SERVICES/MAG

WEATHER CONDITIONS

569 STATION

5012**c**

NATRONA CO/CASPER MY

73-81

YEARS

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JA'.	ALL		• 1		14.5		14.6	1.5	•5	.4		2.5	6584
FEB			• 22	• 1	12.3		12.5	1.6		. 4		2.1	6004
¥ _A ₽		• 0	.8		14.0		14.7	1.3		. 8	•0	2.1	6587
£ P P		• 2	4 - 1	• 1	15.4	• 0	13.7	2.7		• 3		2.9	6341
MAY		1.1	7.8		4.9		11.9	2.9	•C	•1		3.0	6581
Jun		1.3	3.4		• 2	•0	3.5	•1	.0			• 1	6353
JUL		2.0	3.6			• ü	3.6	•6	•0			.6	6545
Auti		1.0	3.2				3.2	• 2				.2	6563
SLP		. 3	4.0		• 5		4.4	.7	•1			• 7	6340
SCT		. 0	3.0		4.8		7.3	1.0	•0	- 1		1.1	6548
NGV			• 3	•1	9.4		9.6	1.7		.7		2.4	6355
DEC			•2	• 1	10.5		10.6	1.6		• 5		2 • 1	6553
TOTALS		. 5	2.6	• 0	6.8	• 5	9.1	1.3	•0	. 3	•0	1.6	77354

ORIGINAL DATA RECORDED IN SYNOPTIC CODE

USAPETAC ART 64 0-10-5(QL A), REPHOUS EDITIONS OF THIS FORM ARE ONE

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "\$ OF OBS WITH PRECIP" and "\$ OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drissle was not separately reported in the WBAN data prior to year 1949.
 Therefore, percentages in this column are restricted to the period Jan 1949 and later.
 - (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
 - (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

AL CLIMATOLOGY ERANCH

TAC

CAT HER SERVICE/MAC

569

TITPONA COZCASPER AY

50-A1

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

HTHOM	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Joh	MILY		2.6	•2	33.3		39.1	7.8	• 1	3.2	• 1	15.5	961
FFO		•1	4.3	• 7	41.4		43.2	12.0		4.3		14.8	876
V · _		• 3	1 3		46.1	• 2	49.5	12.6		4.4		15.8	639
<u> 5</u> Ø :	 	4 • 3	2 - 7	. 7	36.5	. 7	51.4	14.4		2.2		15.5	963
Y. A.Y.	 	20.0	51.9	• 4	11.1	4 - 1	54.3	13.2		•2		13.3	091
J' i		26.9	45.5		1.6	3.5	46.1	4.9				4.9	959
JL	†	29.5	45.2			2.7	45.2	2.6				2.6	997
4 .		19.6	37.5		• 1	• 7	37.5	2.4				2.4	49:
· · ·		8.8	31.1	• 2	5.5	• 7	32.7	6.9				6.9	960
D 1		1.5	21.1	. 7	16.3	• 5	29.9	9.8		. 7		11.3	992
N .		. 3	9.1	6.6	32.4		34.7	8 . 3		2.1		10.4	967
0.0	-		3.6	.4	37.1		38.7	8.7		1.9		15.0	992
TOTALS		9.3	24.3	• 3	22.2	1.1	41.9	8.6	•0	1.6	•0	9.5	11023

USAPETAC FORM 0-10-5(QL A), MEVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and amount. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY	PRECIPITATION	".00"	equals	none	for	the	month	(hundredths)
EXTREME DAILY	SNOWFALL	".0"	equals	none	for	the	month	(tenths)
EXTREME DATLY	SNOW DEPTH	"o"	equals	none	for	the	month	(whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each yearmonth and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

NOTES:

- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U.S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

U. S. Navy and National Weather Service (USWB)

Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 57	at 1230GMT	Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT	Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI- WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

7.55697 NATRONA CO/CASPER NY 5G-81
STATION NAME YEARS

		AMOUNTS (INCHES)										PERCENT	!	MONT	HLY AMO	UNTS		
PREC:P	NONE	TRACE	01	02 05	.06-10	.1125	26 50	.51-1 00	1 01 - 2 50	2 51 - 5 00	5 01-10 00	10 01-20 00	OVER 20 00		NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0104	0.5.1.4	1.5-2.4	2 5-3 4	3 5 4 4	4.5-6.4	6.5.10 4	10 5-15 4	15 5-25 4	25 5 50 4	OVER 50 4		OF OBS.	MEAN	GREATEST	IEAST
SNOW- DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13-24	25.36	37 48	49.60	61-120	OVER 120	AMTS	!		ORCHIES!	
JAN	5 . 9	15.3	4.1	11.1	4.3	3.7	• 5	• 1						23.8	961	. 50	.99	TRACE
FEB	56.5	15.0	5.0	11.8	6.1	4.1	1.3					i		28.2	876	. 5 5	1.01	.15
MAR	50.7	18.7	4 • 2	10.5	5 • 9	6.6	2.9	. 4						30.5	992	.98	2.43	• 2 5
APR	48.6	17.3	4.5	10.4	6.0	7.8	3.1	1.7	• 5					34.1	960	1.53	3.92	-20
MAY	45.7	19.5	3 - 3	9.7	5.9	7.8	4.4	2.7	1.0					34.9	992	2.17	6.46	.30
אטנ	53.0	19.2	4.8	7.8	4.0	5.3	3.2	1.7	•2					27.0	960	1.22	3.75	.03
JUL	54 . ?	20.2	4.1	7.9	3.5	5.6	2.6	. 9	• 3					25.0	992	1.06	3.05	-11
AUG	62.5	20.9	3 . 3	4.2	4.0	3 • 3	. 9	. 7	• 1					16.6	992	.61	2.66	.02
SEP	67.3	11.6	3.2	6.6	3 • 4	5 • 3	1.8	. 5	. 3					21.1	960	. 8 2	3.28	•07
ост	7~•1	9.9	2.9	5.8	2.7	4.7	3.0	. 7	. 1					20.1	99Z	. 87	2.49	TRACE
NOV	55.3	13.0	2.2	8.5	3.9	4.9	2.9	• 2						21.7	960	. 65	1.30	.07
DEC	61.3	16.1	4 - 1	9.2	4.4	4 - 1	.7							22.6	992	.50	1.20	•03
ANNUAL	58.2	16.4	3.8	8 • 6	4.5	5.3	2.2	. 8	•2					25.5	11629	11.46	\times	\times

SAFET	ACOCT 78 0-15-5 (OL A) PREVIOUS EDITIONS O	F THIS FORM ARE OBSOLETE	
·]	ĵ.		

(

2

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

3)

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

725692 NATRONA CO/CASPER NY STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	וחר	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
5 :			.27	.93	.49	•53	.33	.01	1.76	.71	.13	.10	
51	. ŋa	10	18	39	.51	. 75	1.33	. 116	. 35	.34	-09	.22	1.3
52	TRACE	. 34	. 47	. 27	2.07	. 43	.14	. 26	.20	.30	-21	.02	2.0
5.3	. 26	28	.08	21	.60	63	. 86	7 4	.17		47	. 38	. 8
54	. 33	.19	. 95	. 15	.22	.29	-15	.18	.09	.37	.12	.11	. 9
5.5	.25	. 32	. 24	• 55	.27	. 42	.20	.31	. 31	-15	.34	. 42	5
5 5	. 14	. 40	.37	. 44	.53	.02	.32	.42	•03	-20	. 44	. 34	• 5
57	.10	. 04	.22	.67	. 74	-40	.27	.28	.55	55	.19	.19	
5.9	.07	.12	. 98	.50	.50	.58	. 33	.75	.13	.02	.35	.11	. 9
59 <u></u>	-23	13	. 45	.52	.93	. 94	-15	.23	.49	.18	.09	.10	9
6.	.19	. 35	. 28	. 46	.22	.15	. 25	• 5 7	.12	.16	.39	. 23	• 5
51	• 04	.14	. 35	. 39	.39	.24	.79	.03	. 48	.48	.12	.22	. 7
62	. 2 3	. 14	.19	.57	1.04	. 44	. 28	• 07	1.09	1.90	.24	.09	1.9
63	-10	. 20	.11	. 54	.18	.42	.68	•10	.12	•30	.11	.12	. 61
64	• 22	. 33	.25	1.57	1.02	.25	•53	. 23	. 28	.11	.20	.25	1.5
65	.27	.10	.12	. 4 3	. 84	.77	.40	.08	.42	TRACE	-06	.21	. 8
6 6	• 08	.21	. 29	. 49	.20	. 36	.22	.57	-14	.56	.19	.16	• 5
67	-10	-21	. 20	. 42	. 39	.83	. 28	.16	.60	.28	.29	.16	. 8
68	•17	. 18	. 35	. 25	.68	.64	. 32	.21	-14	.28	.22	.37	. 6
69	• 23	. 18	. 75	.57	. 39	1.22	.17	.58	.12	.29	. 26	.07	1.2
70	. 30	.12	. 37	.68	.70	1.06	. 30	•06	• 09	.49	•50	. 45	1.0
71	.07	. 18	. 35	1.13	1.39	-09	.05	.10	.18	.41	.28	.19	1.3
72	• 5 3	.10	.28	.59	.20	.26	.54	.80	.19	.54	.41	.16	. 8
73	. 21	. 26	.23	1.11	. 32	• 24	1.22	.18	1.46	.47	.28	.1.2	1.4
74	• 36	.11	.20	1.82	.21	.48	.28	.77	. 4 2	.31	.12	.07	1.8
75	• 1.3	.27	• 36	. 44	.90	.21	. 37	• 06	-05	-50	. 24	. 32	. 91
76	•15	.30	.16	.84	.76	.82	.68	.08	.60	.51	.04	.19	. 8
77	.19	. 37	.29	.21	1.13	-11	1.14	-12	.13	•20	. 39	.21	1.1
78	.29	.21	.37	.37	1.96	.75	.92	.48	.16	.26	.32	.42	1.9
79	. 24	.15	.40	• 20	.93	.86	.61	1.35	.13	•23	.52	•15	1.3
MEAN													
S. D.													
TOTAL OBS													

USAF ETAC

SLUBAL CLIMATOLOGY BRANCH USAFETAC AI WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

72569 NATRONA CO/CASPER WY
STATION STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
87 81	.23 .18	.13	• 42	•07 •73	.97 .56	.07 .21	• 26 • 45	• 23 • 24	.19	•31 •15	.40	.20	. 9
		:		·			· · · · · · · · · · · · · · · · · · ·						
	·								•				
	-						+						
								+		-			
ļ		1	1	1		i.	i	!			1	f	
								•					
						+							
											-		
		1	ļ			İ			ł				
				+						-			
1					1	-					,	J	
	-												
			-			ĺ			1				
MEAN	.181	.201	.339	.572	. 695	.483	.463	.322	.351	.364	.272	.204	1.00
5. D.	.112	•096	-208	.393	.470	.310	.332	.305	.400	.328	. 154	.112	. 4
TOTAL OBS	961	876 NOTE	992	P60 ED ON	992	960	992	992	960	992	960	992	1162

FORM 0-88-5 (OL A) USAF ETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AT' REATHER SERVICE/MAC

MONTHLY PPECIPITATION

725690 HATRONA CO/CASPER HY
STATION NAME

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR	MAY	JUN.	10r	AUG.	SEP.	oct.	NOV.	DEC	ALL MONTHS
5.)			•90	2.16	1.97	1.50	.88	•02	3.11	.74	.37	•26	
51	. 27	.16	.44	1.31	1.45	1.53	3.05	.10	1.12	. 88	.20	.42	10.93
52	TRACE	.75	1.56	.20	3.93	1.06	.58	.61	• 25	.46	.57	• 03	10.00
53	• 5 3	1.00	• 25	. 94	1.60		1.52		. 21	.16	.72	.74	9.72
54	.45	. 37	2.43	• 30	.70	.62	.38	.29	.23	1.36	.25	• 32	7.70
55	• 59	1.01	.99	1.44	•73	2.07	•27	. 8 1	•65	.47	1.19	1.04	11.26
56	. 44	. 45	.71	1.56	1.97		.76	.77	.07	.28	1.30	• 59	8.93
57	• 42	.15	.91	2.45	3.85	1.93	1.00	1.13	1.08	2.00	.77	.43	16.12
58	. 11	.38	2.27	1.95	.78	1.32	. 96	1.00	. 34	• 0.7	1.06	.23	10.42
59	- 58	.61	1.32	.74	1.99	1.79	•27	.23	1.99	.71	.27	•25;	10.75
67	.71	.85	. 42	1.06	• 56	.40	• 59	.57	.41	.27	1.03	.47	7.34
61	• 04	•51	1.16	• 9 5	•71	-54	1.21	.08	2.46	1.12	.56	.62	9.96
62	.85	. 44	. 55	. 93	3.80	1.75	1.24	. 25	1.14	2.49	. 34	.23	14.01
63	. 38	. 49	• 35	2.07	.80	.94	1.20		• 3 3	• 3 3	. 31	-31	7.90
64	. 75	.72	.66	3.09	2.17	• 5 9	.73		. 34	. 23	.66	.47	10.88
65	.78	.37	•52	. 96	2.64	2.47	1.16	.21	2.07	TRACE	.07	.87	12.12
6 6	. 30	. 43	.49	1.29	• 30	1.12	.46	1.03	. 39	1.33	. 4 3	.57	8.14
67	• 5 8	.65	-66	1.24	1.62	3.75	1.46		1.67	1.37	1.09	.82	15.32
6.8	. 33	.46	•92	1.18	3.35	1.86	1.02		. 30	. 5 8	.56	.71	11.68
69	. 28	• 5 5	1.10	1.52	- 85	2.39	•70		.16	1.43	.96	.16	10.66
70	.59	.27	1.53	1.57	2.03	2.03	.73		.21	1.01	1.01	.89	12.03
71	.19	.80	1.17	3.40	5.59	-17	.11	.11	.74	1.73	.61	. 34	14.96
72	.99	. 41	1.41	1.44	.76	. 8 3	1.04	1.52	.37	2.04	.66	.41	11.88
73	. 63	. 57	• 52	3.86	1.02	.66	2.26		3.28	.60	.80	.55	15.09
74	.69	.42	. 37	3.92	.62	.60	.75	1.00	.83	1.15	.46	•22	11.03
75	.51	_ • 51	2.01	.97	3.88	.94	.63	.12	.11	1.01	.51	.72	11.92
76	. 44	.89	•50	1.52	2.69	1.66	1.07	.31	1.15	1.21	•09	.38	11.91
77	• 35	.69	1.05	1.07	1.93	.19	1.88	. 34	. 30	.71	.79	.71	10.01
78	.70	. 75	. 93	1.05	6.46	1.40	2.62		.26	• 40	.94	1.20	17.64
79	.81	. 39	1.31	. 8 3	2.25	1.31	1.22	2.66	-16	.50	.75	• 36	12.57
MEAN													
\$. D.													
TOTAL OBS		11000				.]		I	I		i	i	

NOTE * (BASED ON LESS THAN FULL MONTHS)

FORM 0-88-5 (OL A) USAF ETAC

O

O

SLOBAL CLIMATOLOGY BRANCH USAFETAC ATA WEATHER SERVICE/MAC

(FROM DAILY OBSERVATIONS)

72569 NATRONA CO/CASPER MY
STATION STATION NAME

50-81 YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB.	MAR.	APR.	мау	JUN	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
9 G 3 1	.81 .46	.63	1.19	.35 1.56	2.82 3.51	.13 •37	.85 1.27	.65	.10	.76	.74	.37	9.2
 						1			1		:		
# # # # # # # # # # # # # # # # # # #												1	
	+												
											+		
	į	İ		1				i		1	:		
		-									1		
-		+		+					+		+		
													
Į							į)	
								+					
MEAN	.495	.545	.980	1.528	2.167	1.218	1.058	.606	.815	.875	.651	•504	11.39
S. D.	.253	.226	. 549	.938	1.511	. 826	.654	.526	.886	.614	. 321	. 269	2.50
TOTAL OBS	4 6 1	876 NOTE	992	963	992	960	992 JLL MOI	992	960	992	960	992	1162

USAF ETAC

()

0

Q GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

72569C NATRONA CO/CASPER HY 52-81 YEARS

						AMO	4I) STAUC	NCHES)						PERCENT	CENT		MONTHLY AM UNTS		
PRECIP	NONE	TRACE	01	02-05	06-10	.11 - 25	26- 50	51.1 00	1 01-2 50	2 51 - 5.00	5 01-10 00	10 01 - 20 00	OVER 20 00		TOTAL NO.		(INCHES)		
SNOWFALL	NONE	TRACE	01.04	0.5-1.4	1524	2 5 3 4	3 5-4 4	4 5-6 4	6 5-10 4	10 5-15 4	15 5-25 4	25 5-50 4	OVER 50 4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST	
SNOW- DEPTH	NONE	TRACE	1 ,	2	3	4.6	7:12	13-24	25-36	37 48	49.60	61-120	OVER 120	Aure					
JAN	51.2	11.8	9.5	17.6	3.8	. 9	1.1	. 9	• 3		r I	<u> </u>		27.0	899	10.4	22.1	1.4	
FEB	58.4	12.0	10.1	11.6	4 . 8	1.1	1 - 1	. 9	. 1					29.7	819	9.7	21.5	1.5	
MAR	55.1	15.4	9.2	10.2	4.7	1.8	1.0	1.9	• 6	• 2				29.6	899	14.2	36.2	3.2	
APR	63.7	11.6	8.0	8.2	3.6	1.3	1.5	1.0	•6	• 5	. 1			24.7	870	12.9	56.3	1.1	
MAY	89.5	4.3	1.9	1.9	• 6	. 3	• 2	. 8	•2	. 2				6.1	899	4.3	24.6	• 0	
JUN	98.6	1.1				. 2						ļ		. 2	870	• 2	3.0	• 0	
JUL	110.0		:												930	•0	. 0	• 0	
AUG	99.9	•1		1											930	TRACE	TRACE	•0	
SEP	95.0	2.4	. 9	1.1	. 2	. 2	• 1							2.6	900	. 8	8.8	•0	
ост	83.2	7.1	2.4	3.5	1.5	1.0	• 6	• 5	•1					9.7	930	4.7	13.1	• 0	
NOV	67.3	11.1	7.1	7.2	2.7	2.1	1.0	. 9	. 4	.1				21.6	900	9.8	19.9	• 5	
DEC	03.3	13.0	8.1	9.5	2.7	1.2	. 9	1.1	. 3					23.7	930	9.4	25.7	1.5	
ANNUAL	77.9	7.5	4.8	5.3	2.7	. 8	.6	. 7	.2	.1	•0			14.6	10776	76.4	\times	$\overline{\times}$	

USAFETAC FORM 0-15-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

GECHAL CLIMATOLOGY BRANCH USAFETAC ALE WEATHER SERVICE/MAC

EXTREME VALUES SNOWFALL

(FROM DAILY OBSERVATIONS)

77569 NATRONA CO/CASPER WY 52-81
STATION NAME YEARS

24 HOUR AMOUNTS IN INCHES

MONTH"	MAL	FEB.	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
52							• a	• a	• d	3.5	7.3	• 6	• •
53	5 • Q	5 • 5	2.0	2.3	1.0	• 0	• q	0	• 0	TRACE	4.9	7.6	7.
5.4	6.3	4.1	14.6	- 6	• 5	TRACE	• d	• 0	TRACE	3.8	2.7	1.9	14.
<u> 55</u> 56 - *	7 • 4	5 . 4	4 . 5	5.7	TRACE	.4	• q	• q	TRACE	1.9	4.3	5.9	7.
56	2.4	7.5	3.8	4.3	2.7	• d	• d	• q	• 0	. g	8.7	4.7	8.
5.7	2.9	. 8	3.3	6.3	TRACE	• Q	• 0	• 0	TRACE	1.3	3.5	2.9	6.
58	- 4	2.3	11.2	5.8	• d	. 0	• 0	• 0	TRACE	TRACE	5.5	2.0	11.
59	2.9	2.8	6.4	7.d	. 9	• q	• 0	• q	1.0	2.0	1.3	2.0	7.
63	3.5	3.5	2.7	6.9	TRACE	• 0	• 0	• 0	• d	1.1		4.4	6.
61	1.3	2.3	3.4	1.9	. ₫	• q		• q	2.7	2.4	1.8	3 . 8	3.
52	4.2	4.2	2.3	. 6	• d	TRACE	• 0	. a	. 2	• 9	3.0	1.0	4.
53	2.4	2.0	2.7	2.7	• q	. q	• d	. a	• q	1.4	. 7	1.8	2.
54	4 . 4	4.9	4.6	13.1	TRACE	• 0	• q	TRACE	• 0	TRACE	3.1	3.6	13.
65	5 • 2	2.2	2.7	4 . 4	5.8	• 4	• q	• q	4 . 4	• d	. 4	3.7	5 •
66	1.2	2 . 8	4.8	10.2	2.1	3 • Q	• 0	• 0	TRACE	3.5	4.9	4 . 2	10.
67	2.3	2.7	2.d	2.3	5.2	• d	• q	• q	• 0	3.Q	3.Q	3.3	5.
68	1.5	3.0	5.4	5.9	2.2	TRACE	• 0	• a	TRACE	. 4	2.4	7.4	7.
69	• 9	2.1	7.8	4 . d	TRACE	3 • Q	• d	• d	• q	4.1	3.2	. 9	7.
75	5.4	2.0	5.3	3.1	1.0	TRACE	• 0	• 0	• 1	5.2	2.5	5.3	5.
71	1.4	2.1	5.3	11.4	1.Q	• 0	• d	• d	1.4	5.6	3.3	2.1	11.
7.2	9.7	1.7	3.8	5.6	• 0	• 0	• q	• 0	. 2	4.9	5.6	3.5	9.
73	2.3	5.9	4 - 6	16.5	1.5	• d	• 4	• d	TRACE	4.8	4.3	2.2	16.
74	6.0	2.0	3.7	10.5	2.0	• 0	• 0	• 0	3.0	- 6	3.6	1.4	10.
75	2 • 1	3.0	5.6	6.3	8.4	• 0	• q	• d	TRACE	6.8	3.3	5.1	8.
76	2.2	4.9	2.4	1.5	1.4	TRACE	• 0	• 0	• 0	1.4	.9	3.1	4.
77	5.2	5.2	7.8	2.0	TRACE	• q	•d	• d	•d	3.3	8.1	3.4	8.
78	4.3	3.0	5.3	4.3	13.0	- 0	• d	• 0	TRACE	1.4	7.0	6.8	13.
79	4.8	2.9	7.7	3.5	10.9	TRACE	• d	.d	• d	3.6	12.0	5.2	12.
80	7.0	3.8	6.2	1.2	6.3	.0	. q	- d	• 0	3.3	4.3	6.1	7.
81	5.2	4.4	2.4	9.1	• 2	• q	•d	• d	. q	1.8	6.2	2.3	9.
MEAN	3.76	3.41	4.98	5.48	2.28	.21	.00	TRACE	.43	2.39	4.24	3.61	8.4
S. D.	2.258	1.538	2.822	3.926	3.469	.774	.000	.000	1.068	1.904	2.570	1.931	3.32
TOTAL OBS	809	819	899	870	899	870	930	930	900	930	900	930	1077

USAF ETAC JUL 44 0-88-5 (OL A)

SUCBAL CLIMATOLOGY BRANCH USAFETAC ATT MEATHER SERVICE/MAC

72569 NATRONA CO/CASPER MY 52-81
STATION NAME

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP	ост	NOV.	DEC	ALL MONTHS
5.2	+						• 0	.0	.0	5.1	13.7	1.5	
5-3 į	11.8	18.5	3.2	10.5	2.6	. 0	. 0	. 0	• 0	TRACE	5.4	14.7	66.
5.4	9.6	6.6	32.9	1.7	. 9	TRACE	• 0	.0	TRACE	8.0	3.8	5.5	69.
5 5	13.2	21.5	17.9	15.3	TRACE	. 0	_ • B	• 0	TRACE	4.2	16.7	14.5	103
56	9.0	9.9	11.3	13.6	3.8	• 0	• 0	• D	.0	1.4	19.9	7.9	76
57	10.3	1.5	13.1	21.2	TRACE	• Q	• 0	. 0	TRACE	1.7	10.5	6 - 6	64
55	1.4	7.3	25.9	21.0	• 0	. 0	.0	.0	TRACE	TRACE	12.2	4.3	72
59	11.8	10.6	22.1	8.9	1 - 1	• 0	• 0	• 0	1.2	4 . 1	4.4	4.8	69
50	10.8	11.9	5.1	9.7	TRACE	• 0	.0	.0	•0	1.6	17.3	8.4	64
61	1.6	7.7	8.5	4.8	• 0	. 0	- 8	. 0	6.3	5 . 3	7.0	11.7	52
52	16.2	9.7	8.0	1.1	• 0	TRACE	•0	.0	.2	• 3	4.5	3.2	42
63	10.6	5 . 6	5.0	10.1	• 0	• 0	.0	. 0	• 0	1.4	1.2	5.1	39
64	13.2	12.7	12.8	22.8	TRACE	.0	. 0	TRACE	.0	TRACE	12.9		81
65	16.5	8.6	11.4	7.3	7.1	• 0	• 0	• 0	8.8	• 0	. 5	10.0	70
66	5.5	6.2	9.2	17.0	2.1	3.0	.0	• 0	TRACE	11.9	8.0	11.8	70 74
67	9.2	10.6	8.8	7.5	10.2	. 0	. 0	. 0	• 0	4.3	13.1	17.8	81
68	5.2	5.0	13.3	14.5	3.4	TRACE	.0	.0	TRACE	. 7	4.9	16.4	63
69	2.0	6.9	13.1	12.1	TRACE	3.0	.0	. a	• 0	12.5	12.0	2.7	64
70	9.0	4.8	22.3	10.9	1.7	TRACE	• 0	.0	•2	11.2	7.4	11.9	79
71	3.7	11.2	14.8	24.2	2.2	• a	.0	. 0	2.8	13.1	9.7	4.7	86
72	19.2	7.2	14.5		•0	• a	.0	.0	• 2	9.8	8.1	9.1	82
73	9.6	11.3	10.7	56.3	1.7	• 0	. 0	. a	TRACE	5.9	13.2	9.6	118
74	14.0	8.1	7.5		2.0	• a	•0	• 0	5.1	1.2	8.9	5.1	71
75	10.3	8.1	36.2		21.3	. a	.0	. 0	TRACE	11.8	6.8	16.1	124
76	6.9	16.1	7.3	4.1	1.4	TRACE	.0	. 0	•0	3.8	1.8	6.2	47
77	8.5	11.8	26.6	4.8	TRACE	. a	.0	. a	• 0	4.3	18.2	16.8	91
78	14.2	14.6		5.4	24.6	.0	•0	• 0	TRACE	3.1	17.1	25.7	112
79	16.3	7.3	18.6	9.2	22.7	TRACE	• 0	• d	• 0	3.6	16.5	8.8	103
8 7	22.1	13.5	17.3	3.7	15.7	.0	•0	• 0	•0	6.1	10.0	7.9	96
81	9.9	7.3	5.0	10.3	. 4	• d	•0	. 0	• 0	5.8	7.3	6.1	52
MEAN	10.40	9.73	14.15		4.31	.21	.00	TRACE	.83	4.73	9.77	9.39	76.
S. D.	5.053	4.287		10.441	7.302	.774	.000	.000	2.134	4.163	5.349	5.465	21.4
TOTAL OBS	899	819	899		899	870	930	930	900	930	900	930	107

FORM 0-88-5 (OL A) USAF ETAC

•

GLUPAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

72569 NATRONA CO/CASPER MY 50-81

						AM	OUNTS (II	(CHES						PERCENT		MON	ITHLY AMO	DUNTS
PRECP	NONE	TRACE	01	02 05	06 10	1125	26 50	. 51-1.00	1 01-2 50	2.51-5 00	5 01-10 00	10 01 20 00	OVER 20 00	OF DAYS	NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0104	0 5.1 4	1524	2534	3 5 4 4	4 5 6 4	6.5.10.4	10 5-15-4	15 5-25 4	25 5 50 4	OVER 50 4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST
SNOW DEPTH	NONE	TRACE	1	2	3 ;	4.6	7-12	13-24	25-36	37 - 48	49 60	61-120	OVER 120	AMTS			Cathical	
MAL	12.2	31.3	21.9	11.6	6.5	9.2	1.5				1	į		50.5	961		!	
FEB	25.6	33.2	15.4	9.9	7.4	8.3	• 1							41.2	876		i	
MAR	42.6	26.8	12.6	6.4	5 . 8	5.1	• 6						į	30.5	992		i	
APR	73.2	13.6	4.6	3.4	1.5	2 • 1	1.4	• 2						13.1	960			
MAY	94.2	3.3	• 6	. 5	• 2	. 7	• 5							2.5	992			1
NUK	99.7	• 2	• 1	!										. 1	960			
JUL	1 0.0			i											992			
AUG	1 0.0		Ī	[j										992			
SEP	98.	1.3	. 4	. 2	• 2	• 1								. 9	960			
ост	89.9	4 • 6	2.3	1.2	. 7	. 8	• 5							5.5	992			
NOV	52.6	20.6	10.8	5.2	4.4	5.0	1.1	• 2						26.8	960			
DEC	28.3	35.8	18.2	6.8	4.4	5.4	1.0							35.9	992			
ANNUAL	68.5	14.2	7.2	3.8	2.6	3.1	• 6	• 0						17.2	11629		\times	\times

-	USAFE	TAC	78 0-15-5 T 78	(OL A)	PREVIOUS	EDITIONS	OF THIS	FORM ARE	OBSOLETE
. •									
)		1-3					
					^				

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

725692 NATRONA CO/CASPER WY
STATION STATION NAME

50-81

DAILY SNOW DEPTH IN INCHES

MONTH.		FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост .	NOV.	DEC	ALL MONTHS
EAR	JAN.	reo.	MAR.	AFR.									MORINS
5		,	3	1		TRACE	a	α	O,	6		1	
51	3	1 9	6	2		TRACE	q		TRACE	TRACE	TRACE	6	
52	2	9	6	TRACE	0	Q	d	a	a	1	5	1	
5.3	6,	6	1		TRACE	q	<u> </u>	q			5		
5.4	4	2	12	TRACE	TRACE	q	9	q	TRACE	3	2	3	
55	6	6	5	7	q	q	Q	q	<u> </u>	1		- 6	
56	3	6	6	4	TRACE	Q.	a	q	q	a	7	5	
57	2	1	4	5	<u>q</u>	q	q	<u> </u>				3	
58	2	2	9	4	0	q	q	q	a	O,	5	1	
59		3	4	7	TRACE	g	q	<u> </u>				2	
6)	5	3	3	3	TRACE	đ	a	a	q	TRACE	7	5	
51	1	3	5	2	q	q	a	<u> </u>	2			5	
62	7	4	3	2	a	q	a	q	a	q	1	2	
63	3	2		3	Ü	q	<u> </u>	q	q		TRACE	2	
64	7	6	5	11	a	a	O,	a	O O	q	6	4	
65	5	5	4	Z	- 6	<u>q</u>	<u> </u>	q	6		TRACE	5	
5 6	2	3	5	8	TRACE	a	a	q	a	3	4	6	
67	3	4	1		3		<u>q</u>	q	q	3	- 4	4	
68	2	3	4	7	1	a	q	a	a	g	3	71	
69	ų	2	3			1	<u>a</u>	0	q	4	5		
7.)	4	3	6	2	TRACE	a	q	a	: :	7	. 1	5	
71	4	2	5	7	TRACE	q	<u>q</u>	a		12	5	2	
72	10	Z	2	4	1	q	Q	0	TRACE	4	6	4	
73	4	6	6	20	12	q	<u> </u>	a		4	8	2	
74	5	3	2	5	d	-q	q	g	3	TRACE	3	1	
75	4	44	7	6	9	<u>q</u>	a	Q	a		- 5	7	
76	5	5	1	1	. 0	a	q	q	ı a	. 2	1	3	
77	\$	5	5	1	g	g	<u>q</u>		0		14	5	
78	5	5	1	TRACE	6	a	q	a	0	2	8	9	
79		- 6	4	2	10	<u> </u>	q	0	0	2	19	5	
MEAN													
S. D.													
TOTAL OBS		NOTE							I			1	

NOTE + (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

FROM DAILY OBSERVATIONS

72569 NATRONA CO/CASPER MY
STATION STATION NAME

50-81

DAILY SNOW DEPTH IN INCHES

MONTH EAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост	NOV.	D€C	ALL MONTHS
3.0	10	6	7	2	4	a	d	a	a	Z	7	5	10
A1	3	5			TRACE	q		q			1	2.	9
					,		1					1]
<u> </u>	· •												
							·						
	i	ļ		Ī	1			1	į			Ţ]
			 i										
Ţ		!		ĺ	i		' (ii.	ļ
									i				
j	}			-	İ	Ì	1					į	j
						i							
į,		,	ĺ	1	4			į				1	1
											+		
1	1			- 1					1		į	1	j
												-	
į		}		[-	1	,	Ì	ĺ	Ī	į	1	j
													
Ŋ.				1		į	1		Ì	;		1	j
													
Ŋ.)			į	1	1					1	1	
}													
l l	1			ļ	1	İ	1		1	ł	ł	ì	1
	+												
		ļ	j	į	{	1	į	Ì	1	i	{	İ	1
													
ì			}		1		Í	ì	Ì	Ì	į)	1
-													
1	1	j]	ĺ	ĺ	1	1	Ì	}	ł	ł	Ì	1
MEAN	4.2	4.0	4.3	4.0	1.8	• 0	•0	.0	- 4	2.2	4.3	3.9	8.1
S. D.	2.320	1.588		3.939	3.428	.177	.000	.000	1.211	2.596	3.479	2.154	3.557
TOTAL OBS	961	876	992	960	992	960	992	992	960	992	960	992	11629

USAF ETAC 0-88-5 (OL A)

0

 \mathbf{O}

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by ind.vidual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk () is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Hears and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

*Values for means and standard deviations do not include measurements from incomplete months.

GLIPAL CLIMATOLOGY BRANCH USAFETAC ALI MEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

FROM DAILY OBSERVATIONS

7.569. ATRONA CO/CASPER MY 75-81
STATION STATION NAME YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	NAL		FEB	MAR	APR	. M	44	JUN	JUL.	AUG.	SEP	ост	NOV	DEC	ALL MONTH	15
75		Sw	*43	S₩ 46	Sw 4	35₩	5 3 N	469	W 48	₩ 45	W 37	S 47	Sw 47	S# 47		
. 76		4.6 ₁ S at	_50,	SM 45	SH 4	4.14	50M	415	W 41	SM 45	Sh 41	32	N37.	SM 44.	S =_	_ 5
77	S .	4 2 N	39	N 52	Sw 3	BIS W	455	4.84	42	N 51	SW 47	S # 36	Sw 52	S# 49	N	5
72 .	S	4.3S a	44	SM 35	<u>u5</u>	9.N.M.	445	4 4 3 1	L57	S 58	¥ 43	¥ #30	SH +44	S¥ .53.	. H	_5
79	S	525W	52	S¥ 52	₩ 4	3:S W	475	w 441	W 50	SW 44	N 46	S. 51	Sw 46		SW	5
2)	N _b	5.3,S m	39	SM 42	N 6	0.5 🐷	515	W 435	58	N 46	M 44	S = 41	Su . 46.	Su 52.	N.	.6
81	Sw	4 1 _{N #}	51	42	S ¥ 4	9 S W	46W	5 03	5 52	SW 51	SH 45	S = 49	S# 49	SW 50	\$	5
	-					 	+	1		* 	**************************************					
		1	+			•										
 		-									· -		•			-
		-	+			·					+					
																
		+-				+				· •						
			· +		Ļ- 	<u> </u>							<u> </u>			
						+				· · · - · - · · ·	-					
		_				·					i			1		
,1		i	İ													
											•	·				
							1							*		
MEAN	46		45.8	44.9				45.0	49.7							4
S. D.	5.1		981	6.012						5.062					4_	
TOTAL OBS		8.6	191	+ (BA	21		217	210	217		210	197	189	217	2	47

0-88-5 (OLA) S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS) USAF ETAC

SURFACE WINDS

GLOBAL CLIMATOLOGY BRANCH USAFETAC A:: WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569.	NATRONA CO/CASPER WY	73-81	YEARS	JAN MONTH
		ALL WEATHER		6000-0200 HOUSE (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 2	1.5	1.1	• 6	.2	•1						3.8	8.7
NNE		2.2	1.7	1.6	. 4						!	5.8	9.4
NE	• 2	1.3	1.6	.7	. 1							4.0	7.9
ENE	.1	1.1	. 4	. 4						1		1.9	6.8
E	. 4	1.0	. 4	. 1							t	1.8	5.9
ESE		. 4	. 4	• 2						1	i	1.0	7.8
SE		. 7	• 2								i	1.0	5.6
SSE		• 1	• 1									. 2	5,5
5	. 1	• 1	. 1									. 4	5.7
SSW		• 1	. 4	4.4	5.3	3.9	. 7	• 2	• 1			15.2	19.4
sw	- 1	. 6	3.6	11.8	6.4	4.5	. 9					27.9	16.1
WSW		1.6	8.3	7.8	.6	• 2						18.5	10.6
w	. 4	2.2	3.D	1.3	. 4						Ĺ	7.3	8.4
WNW	. 4	1.3	. 9									2.6	5.6
NW	•1	1.6	1.5	. 5								3.6	7.2
NNW	- 5	. 9	1.5	• 1								2.9	6.4
VARBL													
CALM	$\geq <$	$\geq \leq$	\geq	\times	$\geq \leq$	> <	$\geq \leq$	\times	\times	$\geq \leq$	$\geq \leq$	2.1	
	2.6	16.6	25.0	29.5	13.5	8.7	1.6	.2	.1			100.0	12.2

TOTAL NUMBER OF OBSERVATIONS

SLIBAL CLIMATOLOGY BRANCH SURFACE WINDS USAFETAC 2 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 72569" NATRONA CO/CASPER WY 73-81 ALL WEATHER SPEED (KNTS) DIR. MEAN WIND SPEED 9,2 1.6 3.3 1.1 NNE 2.5 2.1 . 8 . 7 1.9 . 2 NE 3.0 8.4 1.2 1.6 5.2 .4 • 8 1.0 2.2 .7 ESE • 1 . 8 SE • 5 4.0 .5 •4 SSE .1 5.0 .6 5 •1 .2 .6 • 1 . 5 . 4 3.8 6.1 3.5 15.7 19.1 .2 .6 1.2 3.1 7.7 11.5 7.6 9.7 30.5 16.6 sw 10.3 W5W .4 17.3 .5 2.1 3.0 1.3 6.9 • 2 1.3 3.0 1.2 6.8 • 2 1.0 •1 NW .1 2.2 6.4 1.0 NNW 1.8 24.1 100.0 TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

. ;; /

_---

GLCBAL CLIMATOLOGY BRANCH USAFETAC Ale Heather Service/Mac

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

735697	NATRONA CO/CASPER WY	73-81	JAN
STATION	STATION NAME	YGARS	MORT II
		ALL WEATHER	3600-0800
		CLAM .	MOVES (L.B.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N		1.0	.9	• 1		•1						2.1	7.
NNE	. 4	2.2	1.7	2.0	. 5	• 1						6.9	9.
NE	. 4	1.1	1.1	.7	• 1							3.4	7.
ENE		. 7	1.1	•2								2.1	7,
ε	•1	. 5								1		1.1	5.
ESE	•2	. 5	.7									1.5	6.
SE	•1	. 4	<u>~</u>									.5	9.
SSE													
5	•1	•1										•2	3.
SSW	•1	. 4	. 9	5.4	5.8	5.3	1.6	•2				19.7	19.
SW	• 2	1.1		11.8	10.3	3.9	. 9					30.6	16.
wsw	•1	1.5	8.2	7.5	.9	• 5		•1				18.8	11.
w	. 4	2.1	2.3	1.2								6.0	7.
WNW		. 4	.4	• 5								1.2	-
NW	•5	. 6		• 1				·				1.6	5.
NNW	•2	1.8	. 6									2.7	5.
VARBL	•	•••	•••			·				1		7	
CALM		> <	>		>		>>	><		><		1.5	
	3.0	14.4	21.6	29.6	17.6	10.0	2.0					100.0	13.

TOTAL NUMBER OF DESERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

T2569 NATRONA CO/CASPER MY T3-81 JAN
STATION STATION RANE ALL MEATHER 0900-1100
CLASS ROUTE HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56) 	MEAN WIND SPEED
N	• 1	. 5	1.0	. 4								2.0	6.1
HNE	. 4	. 9	1.2	1.8	-1						į	4.4	9.6
NE		1.0	1.5	.6	• 5						1	3.5	9.9
ENE		• 7	1.1	.5	_						i	2.3	6.1
E	.5	1.0	• 6		• 1						1	2.2	5.9
ESE	.4	• 5	.7	•1							i	1.7	6.7
SE	•2	•2	•1								1	.6	5.0
SSE	•2	.4										. 6	4.2
5	•1	• 2											4.3
SSW	. 4	. 9	,2	4.2	8.5	6.7	2.0	.5				23.3	19.9
SW	•2	• 7	2,3	14.4	11.8	6.8	.9					37.2	17.1
wsw	.1	1.0	3.1	5.6	. 9	.4						11.0	11.0
w	.2	1.0	2.0	1.3	•1							9.6	8.9
WNW	•2	.7	,6	•2	•1					1		2.0	8.1
NW	•1	• 5	•1	.1		•1				1		1.0	7.9
NNW		1.0	1.0	•1						1		2.1	6.9
VARBL								-	1				
CALM		> <	\times	\times	> <	> <	> <	> <	\geq		><	1.1	
	3.3	11.1	15.5	29.4	22.2	14.0	2.8	.5				100.0	14.5

TOTAL NUMBER OF OBSERVATIONS

_119

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

_

.

.

-

GLCBAL CLIMATOLOGY BRANCH USAFOTAC AIR HEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA CO/CASPER HY	73-61		
BOITATE	STATION NAME		YEARS	MONTH
		ALL WEATHER		1200-1400
		CLASS		HOURS (L.S.T.)
		CORBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	44 - 55	≥ 56	₩ %	MEAN WIND SPEED
N	• 1	1.4	1.6	• 5		•1						3.7	6.1
NNE		. 7	. 5	2.1	. 6							4.0	11.6
NE		• 5	1.1	1.4								3.0	10.5
ENE	.1	.7	• 5	. 5						į		1.9	7
ŧ		1.6	1.1	. 5								3.2	7.1
ESE		. 7	. 9									1.6	7.0
SE		. 4	• 1							1		.5	5.0
SSE		• 1										.1	4.0
S		. 4										. 4	9.7
55W		• 2	. 4	4.3	8.7	7,7	1.7	.7				23.9	20.7
sw	•2	• 2	1.7	9.7	14.5	7.3	1.1	•1				35.0	18.2
WSW	•1	.7	2.6	3.2	1.9	.9	•1					9.6	13.6
w		. 2	1.4	1.7	1.4	• 5						5.2	14.4
WNW	.2	. 6	1.0	.9	. 4							3.1	10.3
NW	.1	.1	• 7	.2	.2							1.5	10.0
NNW		.7	1.4	.6					l		[2.7	8.1
VARBL													
CALM	><	><	><	$>\!\!<$	> <	\times	>>	> <	><	><	><	.6	
	1.0	9.6	15.0	25.7	27.7		3.0	9				100.0	15.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569J	NATRONA CO/CASPER WY	73-81		JAN
STATION	STATION HAME		TEARS	MONTH
		ALL WEATHER		1500-1700
		CLASS		HOURS (L.S.T.)
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	• 6	1.3	. 4	•1	, 4						3.1	9.
NNE	• 1	1.3	1.8	1.9	• 5	• 1						5.8	10.
NE		1.1	2.2	1.0								4.2	9.
ENE	•2	1.7	.4	.1								2.4	5.
E		1.2	1.6	.5								3.3	7.
ESE		. 4	.8	•2								1.5	8.
SE		• 5	•1	•1						•		.7	6.
SSE		. 4		•						1		. 4	5.
5	•1	• 1	•2	•1								.6	6.
SSW		. 4	1.7	5.9	6.1	5.1	2.1	.6		1		21.8	19.
SW		• 5	4.7	12.5	8.8	3.3	1.0	•1	i			30.9	15.
WSW	•1	1.5	3.5	3.9	.6	• 2		-				9.8	10.
w		• 6	2.5	1,9	1.1	•1	.1					6.4	12.
WNW	.1	1.1	1.0	1.0	• 2					 		3.4	9.
NW	•1	1.0	.5	.5						 		2.1	7.
NNW	•1	1.7	1.1	. 4						 		3.3	7.
VARSL	•		***							 			
CALM	>>	\times	\times	\times	>>	$>\!\!<$	\times	>>	>>		> <	.4	
	1.3	13.9	23.5	30.4	17.4	9.2	3.1	.7				100.0	13.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC SURFACE WINDS Alf WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 72569 NATRONA CO/CASPER MY 73-81 ALL WEATHER 1800-2000 MEAN WIND SPEED DIR. 1.7 1.7 3.3 9.4 10.2 NNE 4.5 . 8 1.8 7.2 1.8 . 4 4.2 1.2 1.2 3.0 8.2 .8 1.0 E 3.7 1.8 ESE 1.0 2.0 7.9 .6 SE .6 4.4 .2 •1 •5 5.0 5 . 4 • 5 4.8 .7 . 8 4.2 7.3 3,3 1.1 17.1 18.6 SSW 10.4 15.5 10.1 6.4 3.3 4.8 26.6 sw 7.5 1.9 4.8 15.2 WSW • 6 .1 2.4 4.0 1.0 7.7 8.4 6.0 WNW 3.4 1.6 3.3 4.4 NW 1.9 1.4 NNW 1.1 4.0 5.8 . 5 100-0 TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY	73-81	YEARS	JAN
		ALL WEATHER		2100-2300 HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	2.3	1.0		•1					1		3.5	6.2
NNE	. 2	1.3	2.1	1.8	• 2				L			5.7	9.6
NE		• 7	1.0	. 5								2.2	8.1
ENE	•2	1.1	.6	• 5								2.4	7.1
E	. 4	1.0	. 9	•2								2.4	6.7
ESE	1	. 9	.9							1		1.7	6.6
SE	• 1	. 2	.1]	• 5	5.0
\$SE	. 2	• 2										. 5	3.5
5	.1	. 4	. 1									.6	4.8
SSW		1.0	. 4	5.4	5,9	3,7	• 6	•1				17.0	17.1
sw	.1	.7	3.2	9.6	7.3	3.1	1.2	•1				25.4	16.1
wsw	•2	2,0	7.8	5.3	.7							16.0	9.5
w	. 4	2.3	5.5	2.1	. 4							10.6	8.8
WNW	.1	1.6	.6	.2								2.6	6.1
NW	•5	1.5	.9									2.8	5.1
NNW	.7	2.8	1.2	• 2								5.0	5.6
VARBL									I	1			
CALM	><	> <	\times	\searrow	\times	\times	$\geq \leq$	\geq	$\geq \leq$	$\geq <$	$\geq \leq$	1.0	
	3.5	20.0	26.1	25.9	19.7	6.7	1.8	•2				100.0	11.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.569	NATRONA CO/CASPER MY	73-81		JAN
STATION	STATION NAME		YEARS	MONTH.
		ALL WEATHER		ALL
		CLASS		HOURS (L S T)
		CONDITION		
		<u></u>		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 56	•	MEAN WIND SPEED
N	•1	1.2	1.1	• 5	•1	.1						3.1	8.
NNE	• 2	1.4	1.7	1.7	. 4	•0	•0					5.6	9.
NE	• 1	1.0	1.5	.7	• 1							3.5	8.
ENE	.1	1.1	.7	. 4								2.2	7.
ŧ	.2	1.0	1.0	.3	•0							2.5	6.
ESE	.1	.6	.7	.1	.0							1.5	7.
SE	.1	. 4	.1	.0								.6	5.
SSE	•1	.2	•0									. 4	4.
3	•1	• 2	.1	.0								.5	5.
SSW	•1	.5	.6	4.7	6.7	4.9	1.4		.0			19.2	19.
SW	•2	.7	3.3	11.5	9.4	4.6	. 9	• 1				30.5	16.
WSW	•2	1.4	6.1	5.7	. 8	. 3	.0	0.0				14.5	10.
w	•2	1.6	3.0	1.5	. 4	.1	.0					6.9	9.
WNW	.2	1.1	.9	. 4	• 1							2.7	7.
NW	.2	1.0	. 8	.2	.0	•0						2.3	7.
NNW	•2	1.6	1.1	•2								3.1	6.
VARBL													
CALM	$\supset \subset$	\geq	><	> <	$\geq \leq$	X	\times	\times	$\supset <$	\times	><	1.1	
	2.5		22.6	27.8			2.3	.5	.0			100.0	13.

CHOITAVESEO TO RESMUM LATOR 6561

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 SYATION	NATRONA CO/CASPER MY	73-81	YEARS	FEB
		ALL WEATHER		GGGG-G2GG HOURE (L.E.T.)
		CONDITION		

	3.1	14.9	25.8	34.0	16.6	3.9	5	1				100.0	.11.
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	1.1	
VARBL								Ļ	Ļ.,		L	 	
NNW	.1	. 9	.7	.1					ļ			1.9	6.
NW	•1	1.7	1.1						L		ļ	3.0	ىق
WNW	. 4	2.0	. 9									3.9	5.
w	• 5	2.6	3.8	1.7						L		8.6	
wsw	. 3	1.5	9.3	6.4	. 7	. 3						18.4	10
sw	• 4	1.2	4.3	14.2	10.3	1.7	. 5		L			32.8	15
SSW	•1	• 1	• 9	7.2	5.0	1.9		•1				15.4	16
5		.1	•1	. 4	•1							. 6	11
SSE			•1									.1	10
SE		. 3										. 3	
ESE	. 3	. 4										.7	4,
E		. 9	• 3									1.2	_ 5
ENE	.1	• 1	.7	. 5								1.5	8.
NE		• 5	.7	1.2	. 4							2.8	10.
NNE	. 4	1.1	2.1	1.5								5.1	8,
N	. 3	1.3	.8	• 5	•1							3.1	7.
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAI WING SPEEL

TOTAL NUMBER OF OBSERVATIONS 745

GLCBAL CLIMATOLOGY BRANCH USAFETAC Als HEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NATRONA CO/CASPER WY	73-81	FEB
STATION Name	YEARS	MO4 1 H
	ALL WEATHER	0300-0500
<u> </u>	CLASS	HOURS (L. S T.)
	CONDITION	
		STATION H-WE TRANS ALL WEATHER CLAMP

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N		1.3	, 8	•7								2.8	7.0
NNE	i	. 7	2.4	1.3				Ţ				4.4	9.
NE	- 1	7	1.7	• 3								2.8	8.0
ENE		• 7	. 9	• 3	-1					1		2.0	8 . 6
E		• 3	. 4	• 1								. 8	9.0
ESE													
SE		. 4	.3									.7	6.2
SSE	. 1	• 1	•1									. 4	5.3
5				.3								. 3	11.5
ssw	• 3	3	1.5	7.0	6.8	1.6	•1					17.6	16.1
SW		.7	4.1	15.6	10.9	3.2	.3					34.7	15.7
wsw	.7	1.3	8.6	8.1	. 5	. 4						19.7	10.5
w	. 4	1.7	3.3	1.9	.1					1		7.4	1.1
WWW	• 1	1.2	. 4	.3								2.0	6.1
NW	• 3	1.2	.5	. 1								2.1	5.9
NNW	•1	1.1	. 4	• 3								1.9	6.7
VARBL									1	<u> </u>		1 -	
CALM	><	> <	\searrow	>>	> <	> <	> <	> <		$\supset <$	> <	.5	
	2.1	11.6	25.5	36.2	18.5	5.2						100-0	12.5

TOTAL NUMBER OF OBSERVATIONS 752

GLCPAL CLIMATOLOGY BRANCH USAFETAC AIS MEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569"	NATRONA CO/CASPER MY	73-81		FEB
BYATION	STATION NAME		YEARS	HOUTH
		ALL WEATHER		0600-0800
		CLASE		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		. 8	1.5	.7								2.9	8.4
NNE	. 4	1.2	2.1	1.1							i	4.8	
NE	•1	• 1	. 9	. 9								2.1	9.5
ENE	•1	• 5	. 3	. 3	. 4							1.6	10.1
E		• 5	. 3									. 8	5.5
ESE	• 1	. 3	• 1	. 3						[. 8	8.0
SE	. 3	• 1										.4	3.3
SSE		• 1										.1	6.0
5	• 1	• 1		1								.4	6.7
ssw	•1	. 3	1.3	7.0	7.8	1.7	• 5					18.7	16.6
SW		.7	3.5	17.6	10.3	2.8	•1					35.0	15.5
W5W	• 3	1.7	8.3	8.0	. 8	• 3						19.4	10.7
w	-1	. 9	2.5	1.7	. 4							5.7	9.9
WNW	• 3	.7	. 9	.3								2.1	7.1
NW	-1	. 8	. 3	. 4								1.6	7.0
NNW	.1	2.0	•1	•1								2.4	5.9
VARBL													
CALM	><	><	> <	><	\searrow	><	><	> <	><	><	><	.9	
	2.3	11.0	22.2	38.5	19.7	4.8	.7					100.0	_12.7

TOTAL NUMBER OF OBSERVATIONS 748

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

•

2

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA CO/CASPER MY	73-81	TEARS	FEB
		ALL WEATHER		1900-1100 HOURS (L.S.T.)
		COMDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•1	• 9	• 7	.7	•1							2.6	8.5
NNE		. 8	1.6	1.9	• 1				I			4.4	9.9
NE	. 1	. 7	• 5	1.1	.3]		2.7	10.4
ENE	. 3	• 8	• 5	.3	. 3							2.1	8.3
E		. 3	1.1	• 3	•1							1.7	9.7
ESE	.1	1.1	. 9									2.1	6.1
SE	1		•1						 			.1	7.0
SSE												1	<u></u> -
S	.3	. 5	• 3									1.1	5.3
SSW		• 3	• 3	5.5	11.7	7.2	.3			1		25.2	19.1
SW	.1	.1	1.5	13.0	15.4	6.3	.5		 			37.0	17.8
wsw	.1	. 7	3.5	5.5	.8	.5			1	 		11.1	12.2
w	• 3	1.2	.9	1.5	. 9				1	<u> </u>		4.8	10.7
WNW		.7	•1	.3					 			1.1	7.4
NW	 	. 8	. 3	.3						 		1.3	7.2
NNW	.4	1.1	• 3	. 4	•1				 	 		2.3	7.2
VARBL	1		• • •						 	 		- 200	
CALM	\geq	$\geq \leq$	>>	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq		$\geq \leq$.1	
	1.9	9.9	12.6	30.6	29.9	19.1						100.0	15.1

SHOITAYSES OF SERNUH LATOR

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

77569	NATRONA CO/CASPER MY	73-81	YEARS	FEB MONTH
		ALL WEATHER		1200-1400 HOURS (L.S.Y.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	•1	.8	1.2	1.1	. 3							3.5	9.5
NNE	. 1	• 5	1.3	1.7	. 5	. 3		·	<u> </u>			4.5	11.4
NE	• 1	• 3	. 7	1.3	• 5				L .	I		2.9	12.4
ENE	- 1	• 5		• 1	• 1						!	. 9	8.3
E		1.1	1.9	• 1								3.1	7.0
ESE		• 5	. 9		.1					1		1.6	8.1
SE	.1	. 4	• 3							Ī .	Ī	. 8	6.0
SSE		• 3								Ī		. 3	5.5
S		• 3	• 1	• 3								.7	8.6
SSW		• 3	.7	5.1	12.9	4.8	. 4					24.1	18.6
SW		.7	. 8	9.4	12.2	7.8	2.1					33.1	19.0
wsw	-1	• 5	1.2	4.0	2.9	1.6	. 3				1	10.6	15.9
w	• 5	. 8	.7	3.7	2.4	.5			1			8.6	13.9
WNW			. 4	•7	. 3	1						1.5	13.1
NW		• 5	. 5	. 4					I			1.5	8.5
NNW		• 5	1.3	. 4	•1							2.4	9.1
VARSL										į i			
CALM	><	><	><	><	$\geq <$	$\geq \leq$	\times	$\geq \leq$	\geq	$\geq \leq$	$\geq \leq$		
	1.3	8.0	12.0	28.3	32.4	15.2	2.8					100.0	164

TOTAL NUMBER OF OBSERVATIONS 75

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

;; !

GLCBAL CLIMATOLOGY BRANCH USAFETAC AT: REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725693	NATRONA CO/CASPER WY	73-81		FEB
STATION	STATION MAME		YEARS	MONTH
		ALL WEATHER		1500-1700
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 3	.9	1.5	• 5								3.2	7.5
NNE		. 4	1.6	3.6	. 4	• 1						6.2	12.
NE		. 9	. 9	2.8	• 3	•1						5.1	11.
ENE		. 4	. 1	. 3								. 8	8.6
E	.1	• 8	.7	.5								2.1	7.0
ESE		. 3	. 8									1.1	7.
SE			• 1	.1								. 3	11.0
SSE	. 3	• 1		•1								. 5	5.5
S		. 8										. 8	5.0
SSW		. 7	. 9	7.0	7.8	4.6	•1	•1				20.6	17.1
sw	.1	. 4	1.9	15.0	8.7	6.2	. 9					33.2	17.
wsw		. 9	1.6	3.9	2.4	. 9	• 1					9.9	14.
w		. 7	2.8	3.2	. 9	. 4						8.0	12.
WNW		• 5	1.2	2.1	.5	•1						4.6	12.
NW		.7	1.1	• 5	• 3							2.7	10.0
WNN		. 4	• 1	.3								. 8	
VARBL													
CALM	><	\times	>>		$\geq \leq$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	• 1	
	. 8	9.0	19.9	40.0	21.3	12.6	1.2	.1				100.0	194

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

· .

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH #EATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725697 STATION	NATRONA CO/CASPER MY	73-81 YEARS	FEB MONTH
		ALL WEATHER	
		CONDITION	-

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N		1.5	. 9	. 7								3.1	7.8
NNE	. 3	1.1	2.5	2.9	. 5					ī		7.4	10.4
NE		1.5	1.3	1.7								4.5	9,0
ENE		. 7	1.2	. 4	. 1	- 1				Ĭ		2.5	9.2
E	• 1	. 9	1.1	. 1							<u> </u>	2.3	6.9
ESE		.7	. 5	. 1								1.3	6.8
SE		• 3	. 5									. 8	6.5
SSE			• 1									1 .1	7.0
S		. 4		. 3								•7	6.0
55W		• 5	1.1	6.3	7.8	2.5						18.2	16.9
SW	.1	• 5	5.7	12.3	7.2	3.3	. 4					29.7	15.0
wsw	.1	1.5	7.5	4.1	. 4	,1						13.6	7.9
w	-1	2.4	3.2	2.5								8.3	4.7
WNW		1.1	1.9	.5								3.5	8.0
NW		. 5	• 7	. 3								1.5	7.9
NNW		.7	.9	. 3								1.9	8.1
VARBL											I		
CALM	$\supset \subset$	><	> <	><	$\geq \leq$	\geq	$\geq \leq$	\geq	$\geq \leq$		$\geq \leq$	• 5	
	.8	14.2	29.3	32.6	16.0	6.1	. 4					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (QL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81		FEB
STATION	STATION NAME	ALL WEATHER		2100-2300 100m (L.C.Y.)
		COMPLITION		

	2.3	15.1	25.4	35.5	16.3	4.3	1	<u> </u>				100.0	_11.
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$> \leq$	$\geq \leq$	1.1	
VARBL	_										Ļ	4	
NNW	.3	1.1	. 5	•1				ļ		ļ		2.0	6
NW	.3	1.5	. 5	.3					L			2.5	
WNW		1.2	1.1	.7								3-1	
_ w		1.6	3,6	2.0	. 3				ļ	ļ		7.5	. •
wsw	.4	1.6	7.6	5.6	1.1	3			L			16.6	10
sw	•1	. 8	9.1	16.7	7.3	2.4	1		<u> </u>			31.6	19
ssw	•1	. 9	1.2	6.0	6.8	1.6		ļ				16.7	_16
S		. 4	. 3									•7	
SSE		• 1	•1									. 3	
SE	• 3	. 3									L	.5	. 4
ESE		.7	. 4								<u> </u>	1.1	
E	. 4	• 3	. 8							L		1.5	6
ENE	•1	1.1	. 9	. 5	. 3							2.9	
NE		. 9	1.5	. 9							L	3.3	
NNE		• 8	1.7	2.3	.1							4.9	10
N	. 1	1.9	. 9	. 4	. 4			L				3.7	
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEA WIN SPEE

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569:	NATRONA CO/CASPER MY	73-81 YEARS	FEB BONTH
		ALL HEATHER	MOUBE (L.S.T.)
		CONDITION	_ _

	1.8	11.7	20.9	\leftarrow	21.3	8.3	• •					100.0	13
CALM	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	$\overline{}$	>	\sim	> <		$\overline{}$.6	
VARBL													
NNW	•1	1.0	.6	• 3	•0							1.9	7
NW	•1	1.0	.6	. 3	• 0	.0						2.0	7
WNW	• 1	. 9	. 9	.6	•1	• 0						2.6	
w	. 3	1.5	2.6	2.3	.6	.1						7.4	.10
wsw	•3	1.2	5.9	5.7	1.2	.6	.1					19.9	11
SW	• 1	• 6	3.2	14.2	10.3	4.2	.6					33.4	16
ssw	•1	. 4	. 9	6.4	8.3	3.2	•2	.0				19.6	17
5	•1	. 3	•1	•2	•0							.7	1
SSE	•1	•1	•1	.0				 				.2	
SE	•1	• 2	•2	.0						1		.5	5
ESE	•1	• 5	• 5	•1	•0							1.1	- 6
E	• 1	• 6	.8	.2	•0							1.7	7
ENE	• 1	. 6	.6	- 3	• 2	•0				 		1.8	8
NE	•1	• 7	1.0	1.3	•2	•0				·		3.3	10
N	•1	1.2	1.9	2.0	- <u>.1</u>	-1				}		3.1 5.2	10
DIR.													SPE
SPEED (KNTS)	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	\ <u>*</u>	MEA WIN

TOTAL NUMBER OF OBSERVATIONS

2

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81		MAR
STATION	STATION NAME		YEARS	BOUTH
		ALL WEATHER		0000-0200
		CLASS		HOURS (L.S.T.)
				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.7	2.3	2.2	1.3	•2	-1						7.0	8.4
NNE	• 5	2.0	2.1	2.6	• 6							7.7	9.6
NE	• 5	2.0	1.5	1.5		1						5.5	8.4
ENE	• 5	1.1	1.0	. 1								2.7	6.4
ŧ	. 4	.6	1.7	1.2	• 4							4.3	9.7
ESE	•1	. 9	•6									1.6	6.2
SE		• 5	• 1									.6	
SSE	• 1		• 2										6.0
S		. 4	• 1	• 1								.6	6.2
SSW	•2	1.5	1.5	6.0	2,7	1.6	•1					13.6	14.4
sw	.2	1.3	4.6	11.4	3.4	. 6	. 1					21.7	12.9
wsw	• 5	2.8	7.1	3.8	. 6	1						14.9	9.5
w	. 4	2.1	3.4	1.6								7.8	-8.4
WNW	.1	1.6	1.0					l				2.7	6.1
NW	. 4	2.1	. 9	•1								3.4	_6.1
NNW	. 4	2.3	7	• 1			.2					3.8	7.2
VARBL													
CALM	><	$>\!\!<$	><	><	><	><	><	$\geq \leq$	$\triangleright <$	$\geq \leq$	><	1.8	
	5.0	23.3	28.7	29.6	8.3	2.6	5					100.0	10.0

TOTAL NUMBER OF DESERVATIONS 419

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER WY	73-81	YEARS	MAR
		ALL WEATHER		0300-0500 HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 7	1.3	1.2	1.0	, 5							4.7	8.6
NNE	•2	1.6	2.9	1.1	. 7	•1						6.7	9.3
NE	.6	1.5	1.7	1.2	.1							5.1	8.4
ENE		1.3	• 6	. 4								2.3	7.6
E	• 2	1.5	1.5	1.1	• 2	•1				ļ		4.6	9.2
ESE		. 7	• 5	•1								1.3	7.3
SE	-4	• 2		•1					1			.7	5.0
SSE	.1	• 2	.4									•7	6.2
5	•2		.1							i ———		. 9	5.3
55W		.5	1.7	5.5	4.0	. 9	.4					12.9	15.3
SW	•1	1.0	5.1	13.4	3.3	1.0			1			23.8	13.3
wsw	•1	2.4	9.6	4.9	. 4							17.4	9.4
w	.9	2.3	4.0	1.1	.7	•1						9.1	8.6
WNW	•1	1.1	.7	• 1	•1							2.2	7.3
NW	•1	1.8	.7	•1						1		2.8	6.0
NNW	.4	1.1	.9		• 5	•1			t		 	2.9	8.7
VARBL										 	 	# 577	
CALM		> <	\times	>	\times	>>	\times	>>	\geq	\geq	\geq	2.3	
	4.3	18.6	31.6	30.0	10.6	2.3						100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY	73-81 YEARS	MAR
		ALL WEATHER	0600-0800 HOURS (L.S.Y.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
И	• 6	1.1	• 7	1.0	•9	.1						4.4	10.6
NNE	• 5	1.2	2.2	1.2	•6	- 1						5.9	9.8
NE	.1	1.1	2.6	.7								4.5	8.3
ENE	. 1	. 6	1.5	. 4		-					1	2.6	8.2
E	. 4	1.8	2.1	1.0	• 1							5.4	8.4
ESE		.7	• 2							I .		1.0	6.3
SE												Ţ	
SSE													
\$	-1	• 6	. 5	4								1.6	7.3
SSW		. 9	1.5	4.9	4.4	1.7	• 2	.1				13.7	16.1
SW		.7	4.5	13.8	6.D	1.5	•2					26.7	14.5
WSW	.5	1.8	8.2	5.5	. 6							16.6	9.9
W	.9	2.7	3.1	1.2	• 1							7.9	7.7
WNW	.2	. 9	1.1	. 4	• 1	•1						2.8	8.4
NW		1.6	. 4	.1	•1							2.2	6.6
NNW	.2	1.5	1.0	.2	. 4							3.3	8.0
VARBL													
CALM	$\supset <$	$\geq <$	>>	><	>>	\times	> <	> <	> <	><		1.5	
	3.7	17.2	29.4	30.8	13.3	3.5		.1				100.0	_11.2

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569"	NATRONA CO/CASPER MY	73-81 YEARS	MAR
		ALL WEATHER	0900+1100 HOURS (L.S.Y.)
		CONDITION	_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	1.2	1.6	1.0	. 5	• 5						4.9	11.
NNE		. 5	1.3	2.2	. 9		• 1	•2				5.2	13.
NE	•1	1.1	1.3	1.0	.1							3.6	9.
ENE	-1	. 9	•6	.6								2.2	8.
E	.5	1.1	2.3	1.3	.5							5.7	9.4
ESE	• 2	1.2	.7	. 4								2.6	7.
SE		• 2	.4									.6	6.1
35E	. 4	. 2	•2									. 9	5.0
5	•1	. 9	.5	.2								1.7	7.
55W	•1	.6	. 5	4.1	6.3	3.0	1.2	•2	•2			16.4	19.
SW		.6	1.8	8.1	11.9	6.2	. 9	•2				29.8	18.
wsw	• 1	. 6	3.0	5.0	1.5	.6	•2					11.1	13.
w	• 1	.7	2.3	2.8	.7	• 5						7.2	12.
WNW	. 4	• 2	. 4	1.7	. 4	•1						3.2	11.
NW		• 5	. 9	. 4	.1							1.8	9.
NNW	• 2	. 6	1.3	. 5	•2							2.9	9.
VARBL													
CALM	><	$\geq \leq$	\times	> <	> <	> <	> <	\times	> <	> <	>>	.4	
	2.6	11.2	19.2	29.3	23.1	10.9	2.9	7	.2			100.0	194

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

2

•

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER MY	73-81	HAR
STATION	STATION NAME	YEARS	MO4174
		ALL WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

	.6	9.8	17.5	71 9	22.5	12.6	3.8	_1.1	.2	1		100.0	15
CALM	$\geq \leq$	$\geq \leq$	\times	$\geq \leq$	$>\!\!<$	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$.5	
VARBL				لي				Ĺ		Ĺ			
NNW		.7	1.0	1.5	-1							3.3	10
NW		• 1	.2	1.3								1.7	_11
WNW		• 6	. 9	1.9	, 9	. 4						9.6	_13
w		• 1	2.2	6.3	2.5	9	.2					12.2	19
wsw		• 7	1.2	3.4	3.2	2.4	.6	.2				11.0	17
sw	• 1	.6	1.3	4.3	7.7	6.0	1.7	. 4	• 1			22.1	19
ssw		.6	• 5	3.5	5.5	2.8	1.0	•1	• 1	•1		14.2	19
3		• 7	. 4	1.2	. 4		•1					2.8	.11
SSE		. 9	• 2									1.1	- 5
SE	•2	. 5	.5									1.2	5
ESE	.1	•2	. 4									.7	5
Ę		1.2	2.3	1.7	• 2							5.5	9
ENE		1.0	1.7	1.3	• 2							4.3	9
NE		• 2	1.2	.6	• 1							2.2	9
NNE	•1	.7	1.7	2.8	1.2		•1					6.7	12
N		• 9	1.8	1.3	.6	•2		.4				5.2	13
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	ME/ WIP SPE

TOTAL NUMBER OF OBSERVATIONS

GL(BAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

73-81 725693 NATRONA CO/CASPER HY ALL WEATHER

	1.4	6.9	20.5	34.0	21.3	11.3	3.9	6		1		100.0	19.
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	•1	
VARSL									Ļ.,				
NNW		• 1	1.7	1.1	.1							3.1	_10
NW		• 5	. 7	1.3	• 2						L	2.8	_11
WNW		• 5	1.3	1.6	•7	. 4						4.5	12
W	•2	. 8	2.3	4.6	2.9	.7	.2					11.8	_13
wsw	•1	• 5		4.9	4.2	3.7	1.1	.2				16.6	_17
SW		. 4	1.0	6.4	7.2	4.1	1.4					20.5	18
SSW	•2	. 4	1.0	2.7	3.4	1.7	. 8	.2				10.4	17
3		• 5	• 5	.7								1.7	9
SSE	-1	• 2	•1									. 5	4
SE	•1	. 4	•2	.1								. 8	6
ESE		. 4	1.0	.2								1.6	8
E		• 5	2.0	2.8	. 5							5.8	11
ENE		. 7	1.3	•2	.1	.1						2.5	9
NE	• 2	• 5	2.9	1.8	.2							5.7	10
NNE	•2	. 2	1.2	3.5	.8	. 4				1		6.4	13
	•1	. 4	1.4	2.0	. 8	•1	•2	•1				5.3	13
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEA WIN SPEE

TOTAL NUMBER OF OBSERVATIONS

USAFETAC AND ALL 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA CO/CASPER MY	73-81	MAR
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1800-2000
		CLASS	HOURS (L.S.T.)
		COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.5	2.0	1.0	. 9	•2	•1	-1				5.8	12.
NNE	• 1	1.2	2.9	3.4	. 9	_ •2						8.8	11.
NE		1.7	2.6	2.1	. 4							6.7	9.
ENE	• 1	1.2	2.0	. 4	• 1							3.8	8.
£	• 1	1.3	3.3	2.1	.6							7.5	9.
ESE		. 6	1.5	• 5								2.6	8,
SE	• 1	• 1										.2	3.
SSE	• 1	. 4	• 2	•1								. 9	7.
S		. 5	• 5	- 1								1.1	7.
55W	• 1	. 7	3.4	6.0	2.2	.7	. 2	1				13.6	13.
\$W	• 2	1.8	4.0	7.0	4.4	1.6						19.5	13.
wsw	• 1	2.2	5.6	4.5	1.8	. 5	. 1					15.0	11
w		1.7	3.6	1.8								7.5	L
WNW	• 1	1.0	. 7	• 2	• 1	. 1						2.3	
NW		. 6	. 5									1.1	6
WMM	•2	• 5	1.5	.5								2.7	
VARBL													
CALM	><	><	$>\!\!<$	><	\times	><	><	><	> <	$\supset <$	> <	.9	
	1.5	17.2	30.0	29.8	11.8	3.4	9	. 2				100.0	11.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC SURFACE WINDS AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 72569C NATRONA CO/CASPER MY 73-81 ALL WEATHER 2100-2300 HOURS (L.S.T.) MEAN 17 - 21 7 - 10 11 - 16 22 . 27 > 56 DIR. 7.2 10.1 7.0 9.9 2.2 3,2 NNE 2.1 2.1 1.8 2.2 2.0 1.5 •1 8.2 5.8 .7 • 1 1.5 1.8 4.3 8.1 1.7 2.8 E . 1 1.3 6.5 8.9 ESE 1.5 9.3 • 5 5.7 •2 . 7 .7 .7 5 .1 . 4 . .1 1.0 7.0 . 5 2.1 6.5 2.9 15.0 SSW 13.7 •2 1.2 7.7 SW 4.4 3.3 18.2 13.1 WSW .6 2.9 6.3 4.3 9.5 14.8 8.3 • 2 2.5 3.6 1.1 7.7 .7 WNW .1 1.6 .5 2.9 1.0 1.0 NW 2.3 7.2 NNW 1.8 6.2 3.1 2.5 CALM 27.0 100.0 10.2 TOTAL NUMBER OF OBSERVATIONS USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLCBAL CLIMATOLOGY BRANCH GSAFETAC AIP WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690_	NATRONA CO/CASPER NY	73-81		MAR
574710M	STATION NAME		YEARS	MONTH
		ALL WEATHER		ALL
		CLASS.		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 3	1.4	1.8	1.2	.6	•2	• 1	•1				5.6	10.
NNE	.2	1.2	2.1	2.3	. 8	• 1	.0	• 0				6.8	_11,
NE	• 2	1.3	2.0	1.3	• 1	.0						4.9	9,
ENE	•1	1.0	1.3	.5	. 1	•0						3.1	8.
E	• 2	1.2	2.3	1.6		0						5.6	9.
ESE	.1	.6	.7	•2	•0							1.6	7,
\$E	•1	. 3	.2	•0								.6	5
SSE	.1	. 3	.2	•0								- 6	5.
S	• 1	• 5	. 4	. 4	.0							1.4	
SSW	.1	.7	1.5	4.9	3.9	1.7	.6	.1		.0		13.6	16
sw	.1	1.0	3.4	9.0	5.9	2.8	.6	• 1	0			22.8	15
wsw	.3	1.8	5.3	4.5	1.6	1.0	. 3	1				14.8	12
w	• 3	1.6	3.0	2.6	1.0	.3	1					8.9	10
WNW	.1	. 9	. 9	. 8	. 3	•1						3.2	10
NW	•1	1.0	.7	.5	.1							2.3	7
NNW	•2	1.1	1.1	.5	• 2	•0	• 0					3.1	8
VARSL													
CALM		> <	> <	> <	><	> <	$\supset \subset$	><	><	><	><	1.2	
	2.7	15.9	26.7	30.2	15.0	6.3	1.7	. 4	• 1	۵۰		100.0	

TOTAL NUMBER OF OBSERVATIONS 6567

USAFETAC FORM ARE 08-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

,

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569"	NATRONA CO/CASPER WY	73-81	YEARS	APR
		ALL WEATHER		G000-0200 HOURS (L.S.T.)
		COMPLITION		

	3.7			21.1	5.6	1.0	$\overline{}$				\leq	100.0	-
CALM				$\overline{}$								1.5	
VARBL										 		1 344	
NNW	•1	2.8	1.3	.8	.1			<u> </u>				5.1	7.
NW	- 3	2.8	2.0	•••								5.1	6
WNW	•5	2.5	.9	.8	• 3	• • • •				 		5.0	7
wsw	.8	3.3	2.9	1.7	1.0	• 3					-	18.0	9
SW .	.6	2.7	10.6	3.3	.6	.4						12.1	_ 11
\$5W	• 5	1.5	2.7	2.9 5.5	1.5	- 1	1					9.4	-11
<u>s</u>	•1		- 1									.6	4
SSE		.1	. 3		}			ļ <u></u>		ļ		. 4	
SE		• B	• 3	•1				 	ļ			1.1	6
ESE		• 5	. 3						<u> </u>	ļ		.8	6
£ .	•1	1.9	3.6	1.4	.1				<u> </u>			7.1	8
ENE	• 1	1.3	1.5	1.0	•1							4.1	8
NE	•1	1.3	2.5	. 9								4.8	. 8
NNE	• 1	2.5	3.4	1.9	. 8	•1						8.9	9
N	• 1	3.1	1.9	. 9								6.0	7
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEA WIN: SPEE

TOTAL NUMBER OF OBSERVATIONS 785

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATS WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA CO/CASPER WY	73-81	APR
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0300-0500
		CLASS	HOURS (L B T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	• 3	2.3	1.0	1.1	• 1					<u> </u>		4.8	7.6
NNE	. 4	2.0	1.6	1.5	• 1	• 1						5 . 8	8.4
NE	• 1	2.3	1.9	1.0	1				L		1	5.4	7.7
ENE		1.4	.6	.6						!		2.6	7.5
Ę	.1	1.0	1.8	1.6	. 3		i				!	4.8	9.5
ESE	-1	• 5	.9								1	1.5	6.8
SE	• 1	. 3										. 4	4.7
SSE	• 1	. 4										. 5	4 .
S	• 1	• 1	• 1									. 4	5.7
ssw	•1	1.4	. 9	2.5	1.5	•1						6.5	12.3
sw	•1	2.5	5.3	9.8	2.0	.4						20.2	11.7
wsw	• 5	2.8	10.2	2.6	. 5							16.6	8.1
w	.9	3.9	5.0	1.8	. 4	.1						12.1	8.1
WNW	•1	3.0	1.5	. 4	. 3	.1	• 3					5.7	8.6
NW	. 4	2.1	1.6	.1		·				1	1	4.3	6.
NNW	.9	2.9	1.3	• 1	. 4				†			5.5	6.6
VARBL									1	1		1	
CALM	><	> <	>>	\times	> <	>>	>	\geq	\geq	\geq	\geq	2.9	
	4.4	28.8	33.8	23.3	5.7	9	. 3					100.0	_ B.

TOTAL NUMBER OF OBSERVATIONS 794

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

<u>`</u>

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569 .	NATRONA CO/CASPER MY STATION NAME		APR -
		ALL HEATHER CLASS	0600-0800 RONG (LET.)
		COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 5	1.1	1.4	. 5	. 6							4.2	
NNE	.4	. 6	2.5	1.5	• 1							5.2	9.
NE	. 3	. 9	1.9	1.6	- 1				<u> </u>	[4.8	9.
ENE	.6	1.0	. 9	1.5	• 1							4.2	8.
E	. 4	2.1	1.8	1.5	. 3							6.1	8.
ESE	. 5	. 9	. 6	. 6								2.7	7,
SE	. 4	.8	• 1									1.3	4.
SSE	.6	.6										1.3	4.
5	1	. 6	. 4									1.0	5.
ssw	. 4	1.8	1.9	4.7	2.9	• 5						12.1	12.
5W	• 3	1.1	4.2	10.2	3.2	• 5	• 1					19.6	
wsw	.6	2.7	5.2	5.7	1.0	• 3	•1					15.5	10.
w	.6	3.3	2.8	1.8	. 9	• 3						9.6	9.
WNW	• 5	1.9	. 9	. 4	• 3	•1						4.0	L
NW	.6	1.4	.9	, 3	.1							3.3	
NNW	. 4	. 0	1.1	. 5	• 1							3.0	-
VARBL													
CALM	><	> <	$\geq \leq$	\times	\geq	\times	> <	> <	\geq	$\supset <$	>	2.1	
	7.1	21.7	26.5	30.8	9.7	1.6	. 3					100.0	9,

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81	APR
BTATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	
•			
		CONDITION	-

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.1	. 1	1.0	1.3	. 8							3.3	12.
NNE		1.3	1.3	3.0	. 6							6.2	11.
NE		1.3	1.1	1.5	. 4	• 1						4.4	10.
ENE		• 5	1.9	1.1	• 1							3.7	10.
ŧ		2.8	2.3	2.8	.5	• 1						8.5	9.
ESE	.1	1.9	. 4	• 5				1	1			2.9	6.
SE	. 3	1.5	.1						† 			1.9	4.
SSE		• 5	.6	•1						† — — — — — — — — — — — — — — — — — — —		1.3	7.
S	. 4	2.0	. 9	.8	. 3	.1						4.4	
SSW	•1	1.1	1.0	7.1	5.7	1.6	•1					16.8	15.
sw	.1	. 4	1.6	7.1	3.9	2.3	• 3		$\overline{}$			15.7	
wsw		1.1	2.8	3.7	2.4	. 8	•1		 			10.9	
w	.1	. 3		4.0	1.9	.8		·				9.6	13.
WNW	.1	. 8	. 4	1.6	. 4	9	•1			 		3.8	
NW		• 6	1.4	. 3		•1				-		3.0	
NNW	•1	1.0	.8	.6	. 3				 				
VARBL		100		• •								2.8	8.
								$\overline{}$				+	
CALM		\sim	\sim	\sim	\sim	\sim	\sim			\sim	$\langle $	1.0	
	1.5	17.2	20.1	35.5	17.8	6.3	. 6					100-0	12.

TOTAL NUMBER OF OSSERVATIONS

792

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

· ..

GLOBAL CLIMATOLOGY BRANCH SURFACE WINDS USAFETAC 2 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 725690 NATRONA CO/CASPER MY
STATION NAME 73-81 ∞ ALL WEATHER SPEED (KNTS) DIR. MEAN 7 - 10 1 - 3 11 - 16 17 - 21 22 - 27 41 - 47 48 - 55 WIND 1.8 11.9 1.3 4.6 . 9 1.9 1.5 7.2 13.0 NNE 3.6 11.9 3.9 10.2 NE . 8 . 8 1.4 • 5 .1 .9 1.4 ENE 1.3 . 4 1.0 2.2 1.3 6.1 12.8 2 ESE • 5 1.7 . 4 2.7 8.6 .1 • 5 . 4 SE .1 1.1 .9 SSE . 8 2.2 S .8 1.3 1.0 • 1 3.6 11.0 • 3 1.5 4.7 3.0 15.6 1.3 11.1 55W 1.1 4.2 4.6 .6 1.4 16.7 .6 12.6 • 5 2.3 3.2 3.9 2.0 . 8 12.7 16.8 WSW . 9 2.5 3.9 4.1 14.4 •1 .6 12.5 19.7 • 5 2.4 WNW .1 1.4 1.9 1.0 7.9 NW . 3 1.8 3.9 11.2 • 6 •1 5.2 10.7 VARBL • 3 CALM 100.0 TOTAL NUMBER OF OBSERVATIONS USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA CO/CASPER MY	73-81	YEARS	APR BONTH
		ALL WEATHER		1500-1700 HOURS (L.S.Y.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 3	• 9	2.3	1.3	. 4					· · · · · ·		5.2	9.
NNE		.6	2.2	4.4	2.8	• 1						10.2	13.
NE	•1	• 6	1.1	2.4	• 1	•1						4.6	11.
ENE		. 4	. 8	1.4	. 4							2.9	11.
8	•1	. 6	1.7	3.3	2.0	• 3						8.0	13.
ESE		. 9	.8	.6	. 4	.1						2.8	10.
SE	•1	. 9	.6	.5								2.2	7.
SSE		• 3	1.5	1.0	. 3							3.0	10.
5		• 1	. 8	. 4	.1	.1	• 1					1.7	13.
SSW	Ī	. 6	1.5	2.0	2,9	1.1		•1				8.4	15.
SW		.6	2.2	4.1	3.6	1.0	.5					11.9	15
wsw	• 1	. 4	1.5	3.7	2.9	2.5	. 3					11.4	16.
w	•1	1.0	2.4	3.8	3.3	. 6	. 4	. 9				12.1	14.
WNW		• 5		2.3	1.3	.5						5.3	14.
NW		1.0	1.4	1.4	1.1	.5						5.5	12.
NNW		• 5	1.5	1.4	.9							4.3	.11.
VARSL													
CALM	>	> <	$>\!\!<$	><	> <	> <	\mathbb{X}	\times	$\supset <$	$\supset <$	$>\!\!<$.5	
	• 9	10.0	23.0	34.1	22.5	7.2	1.3	.5				100.0	13.

TOTAL NUMBER OF OBSERVATIONS 787

GLOBAL CLIMATOLOGY BRANCH SURFACE WINDS USAFETAC 2 AIF WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 725690 NATRONA CO/CASPER MY 73-81 APR ALL WEATHER 1800-2000 SPEED (KNTS) DIR. MEAN WIND SPEED • 9 1.0 1.9 10.9 4.8 NNE 1.4 3.0 <u>, 9</u> 10.4 11.5 1.0 2.8 1.8 NE •6 6.2 10.0 ENE 1.3 1.6 1.6 9.4 4.6 11.9 3.5 11.1 1.4 4.3 4.8 1.3 1.0 ESE 1.3 .1 .6 10.0 -1 .4 SE 1.0 •1 1.9 7.5 SSE 1.0 1.1 2.4 • 1 5 . 4 1.4 7.7 •6 3.8 2.7 3.3 1.6 SSW 1.6 . 1 9.7 12.1 11.6 • 1 1.4 2.5 3.4 1.1 •1 8.7 SW 3.9 • 4 1.6 3.0 .5 10.9 wsw 10.6 1.9 3.2 1.8 • 3 8.0 9.9 1.3 10.4 1.0 1.1 4.2 8.9 NW 1.6 1.6 4.8 1.5 1.0 3.8 10.2 NNW . 4 VARBL . 6 100.0 TOTAL NUMBER OF OBSERVATIONS 790 USAFETAC PORM D-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725697	NATRONA CO/CASPER WY	73-81		APR
STATIGH	STATION HAME		YEARS	MONTH
		ALL WEATHER		2100-2300
		CLASS		HOVE (LS.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	3,1	1.9	1.3	• 4							6.9	7.2
NNE	. 4	2.7	3.9	3.1	• 9	•1						11.1	10.1
NE	•1	2,8	2.3	1.5	. 1							6.9	8.1
ENE	•1	1.4	3.8	1.4								6.8	8.4
£		1.4	3.2	3.6	•1							8.3	10.3
ESE	•1	1.3	1.4	• 5						Ī		3.3	7.6
SE	•1	. 3	• 3	•1								. 8	7.6
55E		1.1	. 4	. 3					I			1.8	- 6.4
5	• 1	. 3	.9	. 4		•1						1.8	2.1
SSW		. 9	2.8	3.4	1.1	• 3		i				8.5	12.1
sw		. 8	4.3	4.5	1.3	• 1						11.0	11.1
wsw	. 3	3.4	6.6	1.1	• 3				T			11.7	8.0
w	• 5	3.4	4.3	1.1	. 3	•1						9.8	7.5
WNW	• 5	1.3	1.1	.5	• 1						}	3.6	7.1
NW	.1	1.7	•6	.1								2.5	6.
NNW		1.3	1.0	. 8	.1							3.2	4.5
VARBL													
CALM	\times	\times	\times	\times	X	\times	\geq	$\geq \leq$	\geq	$\geq <$	$\geq \leq$	2.2	
	2.7		39.0	23.7								100.0	9.0

TAS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER WY	73-81	APR
STATION	STATION NAME	YEARS	80478
		ALL WEATHER	ALL
		CLASS	MOURS (L.S.T.)
		CONDITION	

SPEED (KN7S) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 2	1.5	1.6	1.1	.5	•0						5.0	9.
NNE	• 2	1.5	2.4	2.9	1.0	•1						8.1	11.
NE	-1	1.4	1.8	1.5	. 3	•0						5.1	9,
ENE	• 1	1.0	1.6	1.3	• 1							4.1	9.
	•1	1.5	2.5	2.6	.7	•1						7.6	10.
ESE	.1	. 9	. 9	.4	.1	•1						2.5	8.
SE	.1	.7	.3	•1								1.3	6.
SSE	.1	• 6	.6	• 3	.0							1.6	7.
\$.1	• 7	.7	. 4	•1	•1	•0					2.2	9.
ssw	•2	1.2	1.9	3.8	2.6	.7	•1	•0		 		10.3	13.
SW	•1	1.0	3.2	6.1	2.6	. 8	•2					14.0	13.
WSW	.3	1.9	5.4	3.3	1.6	.8	•2					13.4	11.
w	. 4	2.3	3.2	2.5	1.6	.4	•1	.0				10.4	11.
WNW	• 3	1.4	1.0	1.2	.6	• 3	•1					4.9	10.
NW	•2	1.4	1.4	• 5	. 3	•1						4.0	8.
NNW	•2	1.4	1.3	.9	• 3	•0						4.1	9.
VARBL												1	
CALM	$\supset \subset$	> <	> <	\times	> <	> <	> <	\times	$\supset \subset$	$\supset <$	> <	1.4	
	2.9	20.5	29.8	29.0	12.4	3.4	. 6	.1				100.0	10.

TOTAL NUMBER OF OBSERVATIONS 6311

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725697	NATRONA CO/CASPER WY	73-81	MAY
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0000-0200
		CLASS	HOURS (L.S.Y.)
	-	COMPLYION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	3.0	3.0	1.2	• 1							7.8	7.5
NNE	• 4	2.5	1.8	1.8	. 4							6.9	8.6
NE	. 4	2.7	2.7	. 8								6.5	7.0
ENE	• 5	1.5	1.7	1.8								5.5	8.
E		2.3	2.8	1.6	•2							6,9	9.5
ESE	• 2	. 8	1.1	• 5								2.7	7.1
SE		1.0	• 1						Ī			1.1	5.4
SSE		• 5										.5	_ 5.0
S	• 1	. 4	. 6	. 6								1.7	4.5
\$5W	•2	.7	1.5	2.3	. 5	. 4						5.6	11.6
sw	•1	1.6	4.8	3.8	.7	•1						11.2	10.0
WSW	• 2	4.4	7.2	1.7	•1							13.6	6.
w	1.0	4.7	4.6	1.3		•1						11.8	7.0
WNW	• 2	2.4	1.9	. 1								4.7	6.4
NW		2.5	1.5	.1								4.1	
NNW		4.4	1.9	.2	•1							6.7	6.6
VARBL									1			1	
CALM	><	><	> <	><	\ge	\times	\times	\times	> <	><	>>	2.9	
	3.8	35.4	37.2	17.9		. 6						100.0	7.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY	73-81 YEARS	MAY MONTH
		ALL WEATHER	0300-0500 House (L.s.T.)
		COMPLETION	_

	5.0	33.3	38.9	17.1	2.6	•2						100.0	7.
CALM	>>	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	2.8	
VARBL													
NNW	•1	3.3	1.2									4.6	6.
NW	• 2	3.9	1.0	.2								5.4	5.
WNW	.2	3.3	1.2	•2						L		5.0	6
w	• 6	4.2	5.1	1.3								11.2	7.
WSW	• 5	4.4	10.6	2.1	.1							17.7	8,
sw	• 2	1.1	7.3	4.6	. 6							13.9	10
SSW	•2	1.2	2.0	2.9	. 6	•2						7.2	11.
S	•1		. 4	.1	•1							. 7	10
SSE	• 2	• 2	• 1									•6	4
SE	• 1	.6	•1	•1								1.0	6
ESE		• 2	.6									.9	7.
E	.6	1.1	1.3	. 9	. 4							4.3	8
ENE	.5	1.1	1.0	.9	• 1							3.5	8.
NE	•1	2.0	2.0	.9								4.9	7.
NNE	.4	3.2	2.2	2.2	.6							8.5	8
N	•7	3.5	2.8	.6								7.7	6.
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAI WINI SPEEI

TOTAL HUMBER OF OBSERVATIONS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HCURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81	HAY
57A 7106	STATION NAME	YEARS	волтя
		ALL WEATHER	0600-0800 House (L.S.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.5	2.8	1.3	,4	• 1							5.1	6.3
NNE	.6	1.9	1.9	2.7	• 1							7.3	8.9
NE	.2	1.5	1.0	1.2	- 1							4.0	8.
ENE	.5	1.5	1.0	1.6	• 5							5.0	9.
£	.6	1.9	1.3	1.8	. 4	•2						6.3	9.
ESE	. 4	• 9	•2	.1								1.6	5.
SE	.4	1.6	•1									2.1	4.0
SSE	•1	1.6	.7									2.4	5.
\$.4	.6	.2	1	• 1	•1						1.6	. 8.
SSW	•2	.7	1.9	5.5	3.7	5	•2					12.8	14.
sw	.5	1.6	4.1	10.1	2.9	.4						19.6	12.
wsw	.5	2.9	5.7	2.8	1.2	•2						13.4	9.
w	•1	2.8	1.8	2.7	• 1							7.6	8.0
WNW	.4	1.3	1.1	. 4								3.2	6.
NW	.5	1.6	.7	. 4								3.2	6.
NNW	.5	1.5	•2		. 1		<u> </u>					2.3	5.
VARBL													
CALM	><	><	\times	\times	\times	> <	\times	\boxtimes	\times	\times	$\geq \leq$	2.6	
	6.3	26.7	23.6	29.7	9.4	1.5	•2					100.0	9.

TOTAL NUMBER OF OBSERVATIONS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY	73-81 YEARS	MAY BONTH
		ALL WEATHER	0900-1100 HOURE (L.S.T.)
		COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	•1	1.5	1.8	1.0	• 1							4.5	8.1
NNE	.2	• 7	1.0	3.1	• 2							5.3	11.0
NE	• 2	1.2	1.1	1.8	• 1							4.5	9.5
ENE	•1	1.5	1.2	. 9	. 4	•1						4.2	9.6
•	• 2	1.6	2.7	1.8	1.1	•5						7.7	10.3
ESE	•2	1.1	. 9	.4	• 2	•2						3.1	9.2
SE	.1	1.8	.6									2.6	5.5
SSE		2.1	. 4	• 1							i i	2.6	6.1
5		1.5	1.0	• 6								3.1	7.7
SSW		. 9	1.5	5.6	3.7	. 9	• 1	•1				12.7	15.0
sw	•2	• 7	3.4	8.2	4.8	2.3	• 5	.2				20.4	15.2
wsw	•1	1.5	2.9	4.0	2.2	1.6	.1					12.5	_13.7
w	.2	• 6	2.7	3.5	.6	1.0				T .		8.7	12.6
WNW		• 1	1.3	.9	. 2					1		2.6	11.0
NW		.6	.7	.7	.5							2.6	10.7
NNW	.1	• 5	1.3	• 5	•1							2.6	8.6
VARBL													
CALM	>>	$\geq \leq$	\times	$\geq \leq$	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq \leq$.7	
	2.1	17.8	24.5	33.1	14.3	6.3	• 7	.4				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81	MAY
BTATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400 Roune (L.B.T.)
		CONSITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 36	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	•1	. 4	2.5	2 • 3	• 5							5.8	11.1
NNE		. 9	1.0	2.2	• 2							4.3	10.6
NE		.9	1.8	1.5	. 5							4.7	10.5
ENE		• 6	2.5	1.4	• 5							4.9	10.6
E	•1	1.2	2.5	1.8	1.6	. 4						7.6	12.0
ESE		1.0	2.0	.7	, 4	•2						4.3	10.3
SE	• 2	1.1	.6								i	2.0	5.8
SSE		1.0		•2								1.2	6.3
S	. 1	1.0	1.2	.7	. 4							3.4	9.2
SSW	.2	.7	1.1	2.3	1.5	• 6	•2	.1				6.9	14.6
sw		1.0	1.5	5.3	2.8	2.0	•1					12.7	15.0
WSW	.1	1.2	1.7	4.4	3.3	2.1	. 9	• 1				13.9	16.1
w		1.1	3.2	5.7	2,6	1.4	1.0					14.9	14.6
WNW		. 9	1.8	2.0	.7	•2	•1					5.8	11.8
NW	•1	• 9	.5	1.6	.7	• 5						4.3	12.4
NNW	.1	. 4	1.0	.7	.9	-						3.1	11.6
VARBL										1			
CALM	><	\times	\times	\times	\geq	\times	> <	\geq	\geq	\geq	><	• 1	
	1.2	14.2	24.9	33.0	16.6	7.4	2.3	.2				100.0	12.9

TOTAL NUMBER OF OBSERVATIONS 812

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

i }

2

,

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 NATRONA CO/CASPER MY 73-81 MAY

STATION STATION NAME

ALL MEATHER

CLASS

CLASS

NATRONA CO/CASPER MY

STATION NAME

ALL MEATHER

DOUBS (C.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	7	1.1	1.8	3.3	• 5						1	6.7	10.9
NNE		. 5	1.6	2.3	.7	.2						5.3	12.4
NE		• 7	1.8	1.7	•1							4.4	10.2
ENE		.9	1.3	2.9	. 9							6.0	11.9
E	• 1	1.5	2.9	3.3	2.2	• 2					1	10.2	12.0
ESE	• 2	• 2	1.8	.5	1.0		•2				1	4.0	12.6
SE		. 4	. 4	.6								1.3	9.6
SSE		. 9	1.9	•1								2.9	8.0
S		1.7	1.9	.6	. 4	• 1						4.0	9.9
SSW		. 4	1.3	2.3	1.7	• 9						6.6	14.6
sw		. 4	1.1	3.5	2.4	1.5	.5					9.4	16.5
wsw	.1	. 6	2.1	2.4	1.7	1.5	. 4					8.7	15.5
w		• 6	1.9	3.9	2.6	. 9	.7	•2				10.8	16.1
WNW	•1	. 4	1.5	2.7	• 7	• 5	.2				1	6.1	13.7
NW	.1	. 4	1.8	2.9	1.3	•1	•2				1	6.9	13.4
MNW	.1	.9	1.5	2.6	1.0	•1	•1			1	1	6.2	12.2
VARBL									<u> </u>	1	 		
CALM	><	> <	\times	> <	$\geq \leq$	\times	\geq	$\geq \leq$	\geq	\geq	\geq	• 5	
	.9	10.6	26.7	35.6	17.1	6.0	2.4	.2				100.0	13.2

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81		MAY
STATION	STATION W ME		YEARS	MONTH
		ALL WEATHER		1800-2000
		CLASS		HOURS (L.S.T.)
		COMPLITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	ii %	MEAN WIND SPEED
N	• 2	1.8	2.0	1.8	. 4	•2	.1			1		6.6	10.3
NNE	• 1	1.6	3.7	2.9	1.2	.6						10.2	11.4
NE	- 1	1.2	3.1	1.6	•1							6.1	9.3
ENE		1.1	2.8	3.3	• 2	.1						7.6	10.5
E	• 1	1.2	5.0	4.0	. 9	•2						11.5	11.0
ESE	• 1	• 6	2.2	1.6	. 4							4.9	10.2
SE	• 1	1.1	1.1	. 5								2.8	8.0
SSE		1.6	.9	.1								2,6	6.2
\$		1.1	2.0	• 2								3.3	7.6
SSW		1.0	2.2	2.0	. 9							6.0	10.9
sw		1.0	2.6	1.3	1.3	.7	.1					7.1	13.0
wsw	• 1	2.4	1.8	2.8	• 5	•2						8.0	10.3
w	• 2	2.1	1.7	2.6	1.8	.6	•1					9.2	12.3
WNW	,	• 2	. 9	2.1	• 5	.4						4.0	13.2
NW		• 7	1.6	1.2	• 2	•1						3.9	10.6
NNW	.4	1.7	1.6	1.3	•2	•2			1			5.5	9.3
VARBL													
CALM	><	> <	><	><	\times	> <	> <	\geq	\geq	><	><	.7	
	1.6	20.6	35.0	29.5	8.7	3.5	. 4					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

81

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81		MAY
STATION	STATION HAME		TEADS	HORTH
		ALL WEATHER		2100-2300
		CLASS		HOURS (L.S.T.)
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.8	2.2	.7		•1						4.9	8.1
NNE	• 5	2.2	3.0	2.4	. 9							9.0	9.4
NE	1	1.6	2.8	1.5								5.9	8.8
ENE		1.5	5.2	2.6						!		9.3	8.9
E	• 2	3.0	5.1	2.D	1.3					ļ		11.7	9.4
ESE	• 2	1.8	1.3	1.1	. 1							5.1	8.1
SE	• 2	1.3	.7	•1						i		2.4	6.0
SSE		.7	• 5	.2								1.5	7.9
5	•1	1.5	1.3	• 5	. 2					i		3.7	8.3
ssw	• 5	1.7	2.3	1.5	. 4	•1						6.5	9.1
sw	•1	2.4	3.2	1.7	.6	• 2						8.3	9.6
wsw	.4	3.4	4.5	1.5								9.8	7.8
w	1.0	2.9	4.0	. 9	. 5							9.3	7.7
WNW	•1	1.2	1.2	. 4	.2							3.2	8.3
NW	•2	1.1	1.5	.2	. 1							3.2	7.7
NNW	. 4	1.6	1.3	.2	.1							3.7	6.6
VARBL													
CALM	$\supset \subset$	><	><	><	><	> <	><			$\supset <$	> <	2.8	
	4.0	29.9	40.9	17.4	4.5	. 5						100.0	8.3

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

 $\hat{\cdot}$

2

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81	MAY
STATION	STATION NAME	YEA	RS MONTH
		ALL WEATHER	ALL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 3	2.0	2.2	1.4	• 2	•0	• 0					6.1	8 . 7
NNE	• 3	1.7	2.0	2.5	• 5	•1						7.1	10.0
NE	• 1	1.5	2.0	1.4	• 1							5.1	8.6
ENE	• 2	1.2	2.1	1.9	• 3	•0					1	5.7	9.7
E	• 3	1.7	3.0	2.2	1.0	.2						8.3	10.4
ESE	• 2	. 8	1.3	.6	• 3	•1	.0			1	1	3.3	9.4
SE	•2	1.1	• 5	.2								1.9	6.4
SSE	•0	1.1	• 6	.1								1.8	6.5
5	•1	. 9	1.1	.4	• 2	•0						2.7	8.7
SSW	• 2	. 9	1.7	3.1	1.6	. 4	•1	•0				8.0	13.1
sw	•2	1.2	3.5	4.8	2.0	.9	.2	•0				12.8	12.5
wsw	• 3	2.6	4.6	2.7	1.1	.7	.2	•0				12.2	10.9
w	.4	2.4	3.1	2.7	1.0	• 5	.2	•0				10.4	11.0
WNW	•1	1.2	1.4	1.1	• 3	•1	.0					4.3	9.9
NW	• 2	1.5	1.2	.9	. 4	•1	.0					4.2	9.5
NNW	•2	1.8	1.3	.7	• 3	•0	•0					4.3	8.5
VARBL													
CALM	><	\times	>>	\times	\times	\times	\times	\times	>>	\geq	><	1.6	
	3.1	23.6	31.5	26.7	9.4	3.2	. 8	.1				100.0	10.

TOTAL NUMBER OF OBSERVATIONS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569? NATRONA CO/CASPER MY 73~81

STATION MARK MORTH

ALL MEATHER

CONDITION

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ \$6	*	MEAN WIND SPEED
N	• 5	3 • n	2.9	.9						1		7.3	6.
NNE	• 4	3.5	2.8	. 9								7.6	7.
NE	• 1	3.3	2.8	. 9								7.1	7.
ENE	• 1	1.9	2.9	. 4				}				5.3	6.
E		3.1	2.6	2.0	•1						i	7.9	8.
ESE	• 3	• 8	.6							1		1.6	6.
SE		.6	.9									1.5	6.
SSE	•1	• 5	. 3									.9	6.
5	•1	• 8	. 5	.1								1.5	7.
ssw	•1	2.1	2.5	1.0	.4							6.2	8.
SW	. 3	1.0	4.0	1.1	• 5	.1						7.1	9.
wsw	• 5	2.6	9.3	1,1	.1							13.7	7.
w	. 4	3.4	5.7	. 9	•1	•1						10.6	7.
WNW	• 5	3.0	1.8	.1								5.4	5.
NW	. 3	2.5	2.4		•1							5.3	6.
NNW	• 5	4.4	3.1	. 4								8.4	6.
VARBL												1	
CALM	><	><	> <	><	> <	> <	> <		$\supset \subset$			2.6	
	4.2	36.6	45.1	9.8	1.4	• 3						100.0	7.

TOTAL NUMBER OF OBSERVATIONS 794

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

,

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569.	NATRONA CO/CASPER HY	73-81	JUN
STATION	STATION NAME	TEARS	MONTH
		ALL WEATHER	0300-0500
		CLASS	HOURS (L.S.T.)
		CONDITION	

	4.7	39.8	37.2	11.7	1.5	. 4						100.0	7.
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	4.8	
VARBL								Ļ	Ļ	L	<u></u> ,	4	
NNW	• 5	4.5	2.5	.1					ļ			7.7	6
NW	.3	3.9	1.4						L			5.5	5
WNW	. 3	4.0	1.5	.1								5.9	6
w	.6	7.1	5.2	1.8	.1							14.7	7
WSW	• 5	4.4	13.0	1.4								19.3	7
sw	• 1	1.8	4.2	3.1	• 5							10.1	10
SSW	. 4	1.1	1.3	1.9	• 5							5.2	9
5	. 4	. 5	.5	• 4								1.8	7
\$SE	•1	•1	.1									. 4	5
SE		•6	• 3									.9	6
ESE		• 3	•1	. 3						1		.6	8
E	.4	1.5	1.3	. 8	.4							4.3	8
ENE	.1	• 9	1.0	. 3				<u> </u>	T			2.3	6
NE	. 4	2.0	1.1	.9								4.4	7
NNE	. 4	3.5	1.8	• 5								6.2	6
N	. 3	3.5	2.0	. 3						<u> </u>		6.0	6
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEA WIN SPEE

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

775690	NATRONA CO/CASPER WY	73-81	JUN
STATION	STATION NAME	YEA 25	HONTH
		ALL WEATHER	0600-0800
		CLASE	HOURS (L.S.T.)
			·

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	•5	2.8	1.1	.4						1		4.8	6.1
NNE	. 4	1.1	.6	.1	• 3							2.5	7.
NE	• 5	1.3	1.0	• 5								3.3	6 .
ENE	.1	1.1	. 8	.4								2.4	7.
8	• 3	2.4	2.4	.8	• 5							6.3	8.1
ESE	•8	1.1	.6	. 5								3.0	6.3
SE	.1	1.4										1.5	4.7
SSE	. 3	. 9	. 4									1.5	5.1
s	.6	1.0	. 4	. 3								2.3	5.9
ssw	• 3	1.6	2.4	5.8	1.9	• 3						12.3	12.4
SW	. 4	2.2	5.2	9.8	2.3	. 4						20.2	11.8
wsw	1.4	3.3	7.9	3.3		•1			·			16.0	8.3
w	• 5	3.4	2.8	1.9	. 9	•1						9.6	9.0
WNW	.4	3.6	1.0	.5								5.5	6.7
NW	.1	2.0	.8	.3								3.2	6.4
NNW	.3	1.9	1.1	.1								3.4	6.3
VARBL									Ī				
CALM		><	><	><	><	\mathbb{X}	$\supset <$		$\geq \leq$			2.0	
	6.9	31.2	28.6	24.6	5.8	. 9						100.0	

TOTAL NUMBER OF OBSERVATIONS

788

2

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569"	NATRONA CO/CASPER HY	73-81		JUN
RTATION	STATION NAME	•	EARS	MONTH
		ALL WEATHER		3900-1100
		CLASS		NOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.3	1.5		. 5	.1							2.4	6.8
NNE	. 1	1.3	. 4	. 9								2.7	8.6
NE	. 1	1.5	1.3	. 5								3.4	7.4
ENE	.1	1.0	1.1	. 9	. 3							2.9	8.5
E	. 5	2.1	2.8	, 9	• 1	•1						6.6	7.9
ESE	• 1	• 9	. 8	. 3								2.0	6.9
SE		2.1	•6									2.8	5.7
SSE		2.3	•1									2.4	5,5
S	•5	1.5	1.5	. 4	• 3							4.2	7,4
ssw		1.8	2.7	6.6	3.5	. 9						15.4	13.4
sw	.6	1.0	4.3	9.1	3.7	1.0	• 1	}	1			19.8	13.4
WSW	. 3	.6	3.4	5.3	1.9	.8						12.4	13.4
w	•1	1.9	3.5	3.3	2.4	• 5						11.8	12.1
WNW	. 4	. 9	1.3	1.4	. 9							4.8	10.5
NW	•1	1.5	.6	.6								2.9	7.4
NNW	. 4	1.0	. 9	. 5	.1	•1						3.0	8.6
VARBL													
CALM	\searrow	\times	\times	\times	\mathbb{X}	\mathbb{X}	\times	\boxtimes	\boxtimes	$\geq \leq$	$\geq \leq$	•5	
	3.7	23.0	25.3	30.6	13.3	3.4	.3					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS 791

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NATRONA CO/CASPER MY 73-61 1200-1400 HOURS (L.S.T.) ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	.6	,9	. 9	• 4							3.0	9.
NNE		• 5	1.8	1.8		• 1						4.2	10.
NE		• 9	1.6	. 9	• 1	• 3						3.8	10.
ENE	j	1.4	. 8	. 8								2.9	7.
ŧ	•1	1.3	2.0	1.9	• 5							5.8	10.
ESE	-1	. 8	1.1	•5							ĺ	2.5	8.
SE		1.1	.5	• 3								1.9	6.
SSE	• 3	2.0	1.0									3.3	5.
S	• 3	1.4	.6	.9	• 3							3.4	8.
SSW	.3	.8	1.9	3.5	1.9	.6						9.0	13.
SW		• 9	2.9	3.3	2.5	2.4	• 5					12.5	15.
wsw		1.3	3.0	6.2	3.5	1.5	•1	1				15.7	14.
w		2.0	1.9	8.6	3.8	1.4						17.7	14.
WNW		1.0	1.9	2.4	1.1	•3						6.7	12.
NW	.3	• 5	. 8	1.4	•6	•1						3.7	11.
NNW		• 5	1.4	1.1	.9		•1					4.0	12.
VARBL	1												
CALM	$\supset \subset$	><	> <	\mathbb{X}	\times	\times	\times			$\supset <$			
	1.5	16.9	24.1	34.3	15.7	6.7	. 8					100.0	12.

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81		JUN
STATION	STATION NAME		YEARS	MONTH.
		ALL WEATHER		1500-1700
		CLASS		HOURS (L.S.Y.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 35	≥ 56	*	MEAN WIND SPEED
N		. 8	2.3	1.9	• 3		• 1					5.3	11.1
NNE		. 9	1.1	2.5	1.0							5.6	11.7
NE	• 1	• 5	1.4	1.9	. 6	• 1						4.7	11.5
ENE	-1	• 5	1.3	. 5	.1							2.5	9.1
E	• 3	1.0	1.5	3.8	. 6							7.2	11.1
ESE		. 6	, 8	1.3	. 4	• 1				L		3.2	11.9
SE		. 5	. 8	. 8	. 4	.1						2.5	11.0
SSE		. 4	1.3	. 3	• 1							2.0	9,0
5	- 1	1.0	. 9	1.0	. 5	1			<u> </u>	l		3.7	10.7
SSW	. 4	1.5	1.0	1.9	1.5	1.0	. 3				L	7.6	13.8
sw		1.3	.6	5.1	2.3	1.0	•1					10.4	14.7
wsw	. 1	. 6	2.0	3.8	3.6	1.3				L		11.4	14.5
w		1.1	3.2	4.6	2.8	2.5				L	L	14.2	14.5
WNW		• 5	1.5	3.6	1.8	• 1	.1					7.6	13.6
NW		. 3	1.7	2.8	. 5		.1				Ĺ	5.3	12.7
NNW	• 3		2.3	2.9	.6					<u> </u>		6.1	11.7
VARBL													
CALM	\searrow	\times	><	\times	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$.4	
	1.4	11.6	23.6	38.6	17.2	6.5						100.0	12.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (QL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569: NATRONA CO/CASPER MY 73-81

SYATION BTATION NAME

ALL MEATHER

CLASS

CONDITION

CONDITION

	1.6	17.7	33.7	35.4	8.5	1.8	. 5)	}		100.0	10.
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$.8	
VARBL								Ļ,	Ļ	L		l	
NNW	• 1	1.3	2.2	. 5	. 3			ļ	L	L		4.3	8.
NW	•1	. 9	1.1	1.0	. 4	• 3		ļ	L	<u> </u>		3.8	10.
WNW		1.6	1.6	. 8	.4			ļ		<u> </u>		4.4	9.
w	•1	1.3	3.4	3.4	1.1	. 3						9.6	11.
wsw	•1	1.0	2.9	3.8	. 9	. 4	. 3					9.4	12.
SW		• 3	2.3	2.0	. 8	• 3	• 1					5.7	12.
SSW	• 1	1.0	1.4	2.7	. 9	.1						6.2	11.
5	• 3	. 4	. 9	.5	• 3						I	2.3	9.
SSE		1.3	1.1	• 1								2.5	6.
SE	. 3	.6	1.3	.6								2.8	7.
ESE	- 1	. 4	2.7	2.3	.3							5.7	10,
E		1.6	2.9	7.5	1.0	- 1						13.2	11.
ENE	•1	1.5	1.9	1.6								5.2	8.
NE	•1	1.3	2.3	3.2	. 4							7.2	10.
NNE	• 1	1.6	2.4	3.4	.8		•1					8.5	10.
N		1.6	3.3	2.0	1.1	. 4						8.5	10.
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED

TOTAL NUMBER OF OBSERVATIONS

790

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569"	NATRONA CO/CASPER MY	73-81	JUN
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2100-2300
		CLASO .	HOURS (L.S.Y.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•6	2.0	2.8	1.1		. 3						6.8	8,2
NNE	•1	2.4	4.4	1.9	• 3							9.1	8.8
NE	- 1	2.8	4.6	1.6	. 3			L				9.4	8.3
ENE		1.5	4.3	2.4	• 1							8.3	8.9
£	. 4	3.5	5.9	4.0	• 6							14.5	9.1
ESE	•1	• 5	1.5	1.0	• 1			T	Γ			3.3	9.3
SE	. 3	1.3	. 3									1.8	5.3
388		1.4	. 3									1.6	5.6
S		2.0	. 6	. 4								3.0	6.5
ssw	- 1	1.3	2.5	1.5	• 3							5.7	9,6
SW	• 3	2.1	3.7	2.0	.4	• 1						8.6	9.3
wsw	. 3	3.5	4.2	. 6	• 5							9.2	7.9
w	• 1	3.4	3.5	. 4	. 4							7.8	7.7
WNW	• 1	1.0	1.1									2.3	6.6
NW		1.4	1.0	•1								2.5	6.6
NNW	3	1.4	2.0	1.1								4.8	8.2
VARBL													
CALM	><	\geq	><	><	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	$\geq \leq$	1.1	
	2.8	31.6	42.7	18.5	2.9	. 4						100.0	A a 3

TOTAL NUMBER OF OBSERVATIONS 79.1

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY STATION MARK	73-81 YEARS	JUN				
	ALL WEATHER						
	cc	ONDITION					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 3	2.0	1.9	1.0	• 2	•1	•0			Ţ		5.5	8.4
NNE :	• 2	1.9	1.9	1.5	. 3	•0	.0					5.8	8.9
NE	• 2	1.7	2.0	1.3	• 2	•0						5.4	8.7
ENE	• 1	1.2	1.8	.8	-1							4.0	8.2
ŧ	• 2	2.1	2.7	2.7	• 5	•0			1			8.2	9.6
ESE	.2	.7	1.0	.8	•1	•0						2.8	8.9
SE	•1	1.0	.6	•2	.0	•			1	1		2.0	7.0
SSE	• 1	1.1	.6	.0	•0					1		1.8	6.3
s	. 3	1.1	.7	. 5	• 2	•0						2.8	8.0
SSW	•2	1.4	2.0	3.1	1.4	.4	.0					8.4	12.0
sw	• 2	1.3	3.4	4.4	1.6	• 7	•1					11.8	12.4
WSW	. 4	2.2	5.7	3.2	1.3	•5	•1					13.4	10.6
w	•2	3.0	3.7	3.1	1.5	.6						12.0	10.8
WNW	•2	2.0	1.5	1.1	• 5	•0	•0			1		5.3	9.2
NW	•1	1.6	1.2	. 8	• 2	•0	.0		 	1		4.0	8.6
NNW	.3	1.9		.9	•2	•0	•0				İ	5.2	8.2
VARSL					· · · · · · · ·								
CALM		> <		> <	> <	\times	\times	\times	\supset	$\supset <$	$\geq <$	1.5	
	3.3	26.1	32.5	25.4	8.3	2.5	• 3					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS 6327

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

· ...

GLOBAL CLIMATOLOGY BRANCH Usafetac Aim Weather Service/Mac

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

NATRONA CO/CASPER MY	73-81	JUL
STATION HAME	YEARS	Monta
	ALL WEATHER	0000-0200
	CLASS	HOURS (L.S.T.)
	CONDITION	
		STATION HAME YEARS ALL WEATHER CLASS

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	5.8	2,7	1.1	•1							10.1	6.8
NNE		2.2	2.6	. 6								5.4	7.2
NE	• 1	2.0	2.8									4.9	6.
ENE	-1	1.1	1.1	.5								2.8	7.5
E	.4	2.2	2.5	1.7			····					6.8	8.4
ESE	. 4	.6	1.1									2.1	6.4
SE	• 2	. 4	. 4	•2						i		1.2	7.3
SSE	.1	.7	.6	• 2							-	1.7	7.6
5		• 5	1.1	.7								2.3	9.
ssw	•2	1.6	2.3	3.4	1.7	•1				!		9.5	11.5
SW	•5	2.1	4.3	2.1					 	 		9.0	8.4
wsw	•2	4.4	5.4	.6								10.7	7.0
w	• 7	4.7	4.4	• 2								10.1	6.6
WNW		4.3	2.0	• 2								6.5	6.2
NW	•1	3.7	1.7	•1								5.7	6.
NNW	.6	4.4	1.7	. 4	 -			 	 			7.1	5.9
VARBL	•••	404	***		: ———			 	 	ļi		 '**	30
CALM	><	$\geq <$	$\geq \leq$	\geq	\geq	\geq	\geq				\geq	3.9	
	4.2	40.8	36.8	12.3	1.8	.1						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 812

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

· .

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725696	NATRONA COZCASPER WY	73~81		JUL
STATION	STATION NAME		TEARS	MONTH
		ALL WEATHER		0300-0500
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.6	4.3	1.3	•6								6.8	6.0
NNE	• 2	3.4	2.8	• 7								7.2	7.0
NE	. 4	1.0	1.i									2.4	6.6
ENE	, ,	1.2	• 6	•1								1.9	6.3
E		1.7	.9	• 5								3.0	7.1
ESE	•1	• 2	• 1	•1								.6	7.2
SE	• 1	. 6	.6							1		1.3	5.9
SSE	• 1	•1	•1									.4	4.7
s		• 2	.6	.6								1.5	9.3
SSW	•2	2.1	3.0	2.8	• 4							8.5	9.6
sw	.7	3.2	3.9	3.4	•1					T		11.3	8.6
wsw	•6	6.3	10.8	1.2								19.0	7.3
w	1.0	6.1	5.2									12.3	6.1
WNW	. 4	4.0	1.7							ļ		6.1	5.6
NW	• 5	5.J	1.8	• 1								7.4	5.7
NNW	•2	3.6	2.6									6.4	6.0
VARBL						<u> </u>							
CALM	><	> <	> <	><	$\supset \subset$	$\supset <$	$\supset <$		$\supset <$		><	3.9	
	5.2	43.0	37.2	10.2	.5							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 823

USAFETAC FORM 0-8-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

 $\hat{\cdot}$

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2 NATRONA COUNTY/CASPER: MYOMING. REVISED UNIFORM SUMMARY OF SURE--ETC(II) AD-A118 506 JUL 82 USAFETAC/DS-82/U41 UNCLASSIFIED SBI-AD-E850 200 NL 20-6

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NAIR	TONA CO	CASPER				73.	-81						JUL
STATION			STATIO	HAME					,	TEARS				10 N T M
							EATHER						0600	-0800
						•							HOVE:) (Lab.Ta)
						CON	DITION							
		_									_			
ſ	SPEED	!										1		
	(KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
	N	• 6	2.2	• 9	• 5								4.2	6.1
	NNE	. 4	Z.5	2.0	. 4								5.1	6.5
ſ	NE	• 2	2.0	1.2	• 6								4.0	7.1
ĺ	ENE	• 2	1.6	• 5	.1								2.5	5.8
Ī	E	. 4	2.0	1.6	. 9	. 1							4.9	7.8
	ESE	.4	1.7	• 5	.2								2.8	6.1
ſ	SE	. 4	_ 5	•2	.4								1.5	6.9
[SSE	• 5	. 6										1.1	4.1
[S	• 5	. 9	• 7	.4	•1							2.6	7.4
[ssw	.4	1.1	3.2	7.7	2.6							15.0	12.2
[\$W	• 5	2.7	7.4	7.4	1.6	. 4						19.9	10.7
	wsw	. 4	3.3	8.3	2.1								14.1	Bal
	w	1.0	4.8	3.2	_1.0						Ī		9.9	6.5
[WNW	.5	1.6	1.0	• 1								3.2	5.7
[NW	.5	1.8	.6	1								3.1	5.6
[WMM	.5	2.2	.6	1	,							_ 3.4	5.3
[VARBL													
	CALM		><	><	>>	>>	><	$\geq \leq$	><	><	$\geq \leq$	>	2.8	

TOTAL NUMBER OF OBSERVATIONS

100.0 8.2

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY STATION MANE	73-81 YEARS	JUL				
	ALL WEATHER						
	co	NOTION					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•1	1.0	.9	. 4								2.3	7.9
NNE		2.1	1.5	.6	•1							4.3	7.6
NE	.1	1.3	2.0	. 9								4.3	7.9
ENE	. 2	1.2	1.8	.5				}				3.8	7.8
E	•1	2.8	2.0	2.2	•1							7.2	8.4
ESE	•1	1.6	. 9	•1								2.7	6.3
SE	•2	1.7	.9									2.8	5.9
SSE	•1	1.2	1.1									2.4	6.1
S	•2	2.4	1.7	1.2	•1							5.7	8.0
SSW	. 4	2.1	2.6	11.1	3.3	• 5						19.9	13.2
sw	•1	. 7	4.5	11.4	3.1	•2						20.0	12.0
wsw		2.1	3.8	2.6	1.5	•1						10.0	10.8
w	•1	2.0	3.1	1.0	• 2	.1						6.5	8.6
WNW		1.0	1.3	.9	• 2							3.4	9.0
NW	•1	. 9	1.0		• 2							2.2	7.9
NNW	•1	. 9	.9	•1								2.0	6,4
VARBL											}		
CALM	\times	> <	\geq	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$	$\geq \leq$	$\geq \leq$.5	
	2.2	24.9	29.7	32.8	8.9	1.0						100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690_	NATRONA CO/CASPER MY	73-81	JUL NOOTH				
	ALL WEATHER						
		COMPITION					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		1.6	2.1	. 4	• 2							4.3	7.9
NNE	.6	1.2	2.6	1.1								5.5	8.0
NE	-1	1.5	1.7	. 6						L		3.9	7.5
ENE]	. 9	1.7	• 6	. 1							3.3	9.2
Ę	•2	1.5	3.3	2.1	. 4	•1						7.6	9.5
ESE	.1	. 9	2.0	.6				l				3.6	8.1
SE	-1	1.3	1.2	• 5								3.2	7.3
SSE	• 1	1.1	1.2	. 5				L	L			2.9	
5		1.2	1.6	.6	. 4	•1		<u> </u>	L			3.9	2.
SSW	•2	1.2	4.7	2.7	1.1	.1		l		Ĺ		10.0	10.6
sw	.1	1.7	3.2	4.7	2.5	5	-1	L	l	<u> </u>		12.7	12.0
WSW		. 7	3.4	4.7	2.0	• 2	1			L		11.2	12.
w	• 2	2.0	3.8	4.5	2.2	. 5	1		<u> </u>	L		13.9	12.1
WNW	• 1	1.5	1.8	1.6	. 5	-1				<u> </u>		5.6	10.1
NW	•2	. 5	2.1	1.5	. 4					<u> </u>		4.7	10.2
NNW		1.0	2.8		.1				<u> </u>	<u> </u>		3,9	7.5
VARBL	i				Ĺ				<u>Ĺ</u>	<u>L</u>			
CALM	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\sim	•2	
	2.3	19.7	39.2	26.6	9.4	1.7						100.0	10-

TOTAL NUMBER OF OBSERVATIONS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER WY	73-81	YEARS	JUL MONTH
		ALL WEATHER		1500-1700 HOWES (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•2	1.2	2.7	3.0	. 4	•1						7.6	10.3
NNE		1.5	1.4	2.3	• 5	4		1				6.2	11.6
NE	• 1	1.4	1.2	2.1	• 2	•1						5.2	10.
ENE	-1	. 5	1.1	1.4	• 1							3.2	9.8
E	•1	1.1	2.8	4.2	1.5	•1						9.9	11.9
ESE		. 9	2.0	1.8								4.7	9,7
SE	• 1	.6	1.0	1.4	• 2							3.3	10.3
SSE	. 4	1.1	1.7	.7	. 5	- 1						4.6	9.6
S	• 2	1.2	. 9	1.4	• 5							4.2	9.6
ssw	• 1	. 7	1.8	2.5	1.5	• 1			ł			6.8	12.0
sw		.7	1.7	3.7	• 7	• 1						7.0	12.5
wsw	• 1	. 6	2.7	4.2	1.6	. 4						9.6	12.6
w		1.0	3.5	4.9	2.0	•2	•2				l	11.8	12.6
WNW	• 1	. 7	1.5	1.2	.7							4.3	11.0
NW	• 1	• 7	2.5	2.3	. 2							5.9	10.4
NNW		• 7	2.8	1.5	. 1	- 1						5.3	10.0
VARBL													
CALM	$>\!\!<$	$>\!\!<$	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$. 4	
	1.8	14.8	31.3	38.6	10.9	1.8	.2	1]		100.0	.11.

TOTAL NUMBER OF OBSERVATIONS

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725693	NATRONA CO/CASPER MY	73-81	JUL
51A1AM	FIRTHWARDS	ALL WEATHER	1800-2000
			HOURS (C.D.Y.)
		COMPLICA	

	2.2	17.3	38.0	33.1	6.7	1.1						100.0	10.
CALM	><	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	• 4	
VARBL													
NNW	•1	•5	1.0	1.0	. 4		L			I		3.0	10.
NW	•1	. 7	1.1	6								2.6	
WNW		.6	1.1	.6	. 4							2.7	10
w		1.2	2.0	2.0	. 9	1						6.2	
wsw	.4	1.4	2.7	2.2	• 2	.1						7.0	9
SW		.6	2.2	2.2	. 6	.1						5.8	11
SSW	.1	1.0	1.7	2.6	1.2	• 2					Ī	6.9	11
s	.1	.6	.9	1.5	. 5				<u> </u>	·		3.6	10
SSE	•1	1.2	2.1	.7	• 2				1	†———	 	4.4	
SE	.5	. 9	1.4	1.0						<u> </u>		3.7	7
ESE	.1	1.5	4.4	1.6	•	•1				 		7.8	9
E	·	1.2	5.4	6.8	. 9		<u> </u>	 	 -	 		19.7	11
ENE	.1	.6	2.0	2.0	. 4				 -	 		5.1	10
NE	.1	1.2	4.1	1.9				 	 	 		7.3	9
NNE	• 1	1.9	3,5	4.7	1.1			 	 			11.2	10
-N	• 2	2.1	3.3	1.7	•1					 		7.5	8
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEA WIN SPEE

DTAL	NUMBER	٦ŧ	OBSERVATIONS	40	

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER WY	73-81 YEARS	JUL
	ALL	WEATHER CLASS	2100-2300 HOVER (L.S.Y.)
		СОМЯТЮЯ	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	29 - 33	34 - 40	41 - 47	49 - 55	≥ 56	*	MEAN WIND SPEED
N	•1	2.0	2.9	1,2	. 4							6.6	
NNE	• 2	3.1	3.5	1.3	• 2							6.4	6.
NE	. 4	2.4	4.4	.6								7.8	7,
ENE	-1	2.2	4.4	.9			{	{				7.6	7.
E	. 4	2.6	7.0	4.0	• 2							14.2	9,
ESE		1.6	2.6	1.2								5.4	
SE	• 1	1.3	.7	•1								2.3	6.
SSE	• 1	2.1	1.2									3.4	6
5		• 2	1.2	1.0	• 1	• 1			I			2.7	10
SSW		1.1	3.5	2.4	.7	.4						8.2	11.
SW	• 1	1.5	3.7	.7	•1	•1						6.2	
wsw	• 6	2.2	3.5	1.2	•1							7.7	_7.
w	• 5	2.7	3.3	.6								7.1	7.
WNW	•1	. 9	1.2	.7	•1	•1						3.2	91
NW	• 5	.7	1.5	.5								3.2	
NNW		1.7	2.2	.7		•1						4.8	
VARBL													
CALM	$\supset \subset$	> <	> <	$\supset <$	$>\!\!<$	>><	> <	$\supset <$		><		1.3	
	3.3	28.2	46.9	17.3	2.1	. , 9						100.0	A.

TOTAL NUMBER OF OBSERVATIONS 112

USAFETAC FORM D-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725697	NATRONA CO/CASPER MY	73-81	JUL
STATION	BMAR HONTARS	YEARS	MONTH
		ALL WEATHER	ALL
		CLASS	HOURS (L.S.T.)
		COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	*	MEAN WIND SPEED
И	. 3	2.5	2.1	1.1	•2	•0						6.2	7.9
NNE	• 2	2.2	2.5	1.5	• 2	.0		•0				6.7	8.
NE	• 2	1.6	2.3	. 8	• 0	•0						5.0	7.5
ENE	. 1	1.2	1.7	.8	•1							3.8	8.
E	•2	1.9	3.2	2.8	. 4	•1						8.5	9.
ESE	.2	1.1	1.7	.7		.0						3.7	8.
SE	.2	. 9	. 6	. 4	.0							2.4	7.0
SSE	.2	1.0	1.0	.3	•1	.0						2.6	7.
S	•1	. 9	1.1	. 9	•2							3.3	9.
SSW	.2	1.4	2.9	4.4	1.6	•2						10.6	11.0
SW	.3	1.7	3.9	4.4	1.1	• 2	.0			<u> </u>		11.5	11.
WSW	.3	2.6	5.1	2.3	.7	-1	.0					11.2	. 2.
w	.4	3.0	3.6	1.8	• 7	•1	.0			t		9.7	9.1
WNW	.2	1.8	1.5	.7	•2							4.4	
NW	.3	1.8	1.5	. 7			 			<u> </u>		4.3	7.
NNW	•2	1.9	1.8	.5	. 1	• D				 		4.5	7.
VARBL			449							 	<u> </u>	7.3	
CALM	\times	$\geq \leq$	$\geq \leq$	\geq	\geq	\geq	$\geq \leq$	$\geq \leq$	\times	\geq	\sim	1.7	
	3.6	27.5	36.5	24.1	5.7	9	1					100.0	9.

TOTAL NUMBER OF OBSERVATIONS ______6525

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81_		AUG
STATION	BRAN MOITAYS		YEARS	MONTH
		ALL WEATHER		0000-0200
		CLASS		HOURS (L.S.T.)
	 	COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		5.4	2.6	•2								8.2	6.
NNE	• 1	3.5	2.4	. 4			Ĺ					6.5	6.
NE	- 6	1.3	3.2	.5								5.6	7.
ENE	• 2	1.3	1.3	•2								3.2	6.
E		1.8	2.3	. 5								4.6	7.
ESE		.6	. 4									1.0	6.
SE	•2	.7	. 4				i	[1			1.3	5.
SSE	-1	• 1		.1								. 4	6.
S	-1	.5	1.0	•2	.1							2.0	8.
SSW	• 2	. 7	2.2	3.8	• 5	.1						7.6	11.
sw	.7	2.1	5.0	2.4	• 1							10.4	8.
wsw		4.3	8.9	.6								13.8	7.
w	. 4	5.4	4.8	.7								11.2	6.
WNW	•2	4.9	2.3									7.5	6.
NW	•2	3.1	2.9	.2								6.5	6.
WMM	.6	4.4	3.2	.1				I				8.3	6.
VARBL													
CALM	$\supset \subset$	><	\times	><	\searrow	\times	><	$\supset <$	$\supset <$	><	> <	2.0	
	3.9	40.2	92.9	10.1	• 7	.1						100.0	7.

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725697	NATRONA CO/CASPER MY	73-81		AUG
STATION	STATION MANE		YEARS	MONTH
		ALL WEATHER		0300-0500 HOURS (L.S.T.)
	 	CLASS	 _	HOURS (L.S.T.)
	-	CONDITION		

	5.8	39.9	39.6	9.5	1.0							100.0	
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	4.2	
VARBL					Ļ,								
NNW	.5	3.5	2.1	.1								6.2	5
NW	.2	5.0	2.2			<u> </u>	l		<u> </u>			7.9	5
WNW	.6	4.9	1.6			ļ	<u> </u>	L				7.0	5_
w	1.2	5.5	5.9	.1				ļ	L			12.7	6
wsw	.5	5.5	11.4	1.1			L	L				18.4	
sw	.5	2.9	6.1	4.1	1				L			13.7	8
55W	•1	2.3	2.1	2.7	8		1	L	L	L		8.0	10
5		, 4	.7				L		L			1.2	6
SSE		. 4											_ 5
SE		. 4	• 1									.5	6
ESE	.1	. 5	.6	.2								1.5	7
E	. 2	1.2	1.3	•2								3.0	7
ENE	.6	. 6	1.6	. 4			}					3.4	7
NE	• 2	1.5	1.0									2.7	5
NNE	. 2	2.2	1.3	.1								3.9	6
N	•6	3.2	1.6	. 4								5.7	6
SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEA WIN SPEE

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY		YEARS	AUG MONTH
		ALL WEATHER		0600-0800 HOURS (L.S.T.)
		CARRITION		

1	7.2	34.8	31.5	20.2	2.5	2						100.0	7.
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	3.4	
VARBL												1	
NNW	• 6	2.7	.6									3.2	5.
NW	• 5	3.3	1.6	•1								5.5	5
WNW	.6	3.4	1.2	•1								5.4	5
w	• 6	7.0	3.1	.7								11.4	_6
WSW	• 5	3.9	9.9	3.3	.1		ì		<u> </u>			17.8	8
sw		3.8	5.8	9.2	1.0	•2						20.4	10
ssw	.9	1.1	2.9	4.3	1.2				<u> </u>			10.4	11
5	• 7	1.2	.5	•1								2.6	5
SSE	•1	.7	•1						 	 		1.0	-
SE	.1	• 5					 	 		 		.6	4
ESE	•••	.9	. 4	.1	·				 	 		1.3	6
E	.6		.9	1.2								4.8	<u>0</u> 7
NE ENE	•2	.6	.5	•1				 		!		2.1	6
NNE	. 6	1.6	2.2	• 6			<u> </u>	 		 		5.0	
N .			. 9	•1	.1			ļ		 +		3.3	6
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEA WIN SPEE

TOTAL NUMBER OF OBSERVATIONS 815

GLOBAL CLIMATOLOGY BRANCH USAFETAC AID WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725697	NATR	ONA CO	CO/CASPER WY 73-81											106
STATION			STATION				EATHER			YRARS			0900)-1100
		-					LASS	· · · · · · · · · · · · · · · · · · ·					MOU BI	8 (L.B.T.)
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
	N	.4	1.4	2.0	.5								.4.2	7.5
	NNE	•1	1.2	. 9	1.1								3.4	8.7
	NE	• 1	1.1	1.4	, 9								3.5	7.9
	ENE		1.1	1.5	.4								3.0	7.8
	£	.4	2.0	1.9	1.1	•1	I						5.5	8.1
	***				-				1					-

DIR.	1.3	4.0	7 - 10	11 - 10	17 - 21	22 - 27	26 - 33	34 - 40	41.47	46 - 33	2.30	# *	SPEED
N	.4	1.4	2.0	. 5								4.2	7.5
NNE	•1	1.2	. 9	1.1				İ				3.4	8.7
NE	. 1	1.1	1.4	. 9			i	<u> </u>				3.5	7.9
ENE		1.1	1.5	. 4								3.0	7.8
E	. 4	2.0	1.9	1.1	.1			L				5.5	8.1
ESE	-1	1.1	. 5	.2							İ	2.0	7.0
SE	•1	1.7	. 4									2.2	5.2
SSE	.1	1.9	•2									2.2	5.1
S		2.7	1.9	.7	. 4		L				<u></u>	5.8	7.8
SSW	• 2	1.9	3,9	7.7	3.4	. 4	<u> </u>					17.4	12.8
SW	.2	1.2	7.6	9.2	4.0	1.0						23.3	12.6
wsw	-1	1.2	3,6	3.5	1.1	. 4	. 2					10.2	11.7
w	.2	2.2	3,1	3.4	. 6	- 1	L			L		9.7	10.1
WNW		1.2	7	.7			L					2.7	8.3
NW	.1	1.1	1.0	. 5			L					2.7	7.5
MNW	.4	. 4	• 5	• 1				L				1.4	6.2
VARBL												1	
CALM	$>\!\!<$	$\geq \leq$	\times	\times	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$.7	
	2.9	23.6	31.0	30.1	9.6	1.9	- 2	<u> </u>				100-0	10.2

TOTAL NUMBER OF OBSERVATIONS 804

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

~

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	HATRONA CO/CASPER HY	73-81	AUG
STATION	STATE HOITATE	YEARS	MONTH
		ALL WEATHER	1200-1400 HOURS (LS.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 36	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	~	MEAN WIND SPEED
N	•1	1.5	2.2	1.2	1							5.3	8.5
NNE	•1;	1.6	2.3	1.7	1							5.3	9.2
NE	. 1	1.5	1.3	. 9								3.8	8.0
ENE	,	• 9	1.1	. 7								2.7	9.0
E	. 4	1.1	3.3	1.2								6.0	8.3
ESE	• 1	• 7	1.3	. 4								2.6	7.3
SE		1.3	1.1	. 4								2.8	7.4
SSE		1.2	1.1	• 2								2.6	7.1
S	• 2	1.2	1.1	1.2	• 2							4.3	8.8
SSW		1.5	2.3	4.3	1.8	•5						10.4	12.6
sw	• 1	1.6	2.2	7.0	4.3	. 9	.2					16.2	14.4
wsw	• 5	. 4	2.6	5.9	3.1	1.3	.1					13.8	14.3
w	• 1	1.6	2.7	5.4	1.7	•6	•1					12.2	12.8
WNW	• 2	• 6	1.3	2.2	. 7		• 1					5.3	12.2
NW		. 4	2.0	1.2	• 1							3.7	10.5
NNW		1.5	1.5	• 5								3.4	7.5
VARBL										i			
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	•1	
	2.1	17.9	29.4	34.3	12.2	3.3	.6					100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DISSOLETE

į 🔘

2

GLCBAL CLIMATOLOGY BRANCH USAFETAC ALE WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

77569"	NATRONA CO/CASPER MY	73-81		AUS
STATION	STATION NAME		TEARS	eentij
		ALL WEATHER		1500-1700 HOVER (LET.)
		CLASS	-	HOUSE (L.S.T.)
		COMPLITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•1	1.1	2.9	2.5	. 9	•2						7.7	11.2
NNE	.1	1.1	2.9	2.9	1.2						: 	8.5	11.2
NE	•2	• 6	1.3	2.1	.2]		4.5	10.1
ENE		. 9	2.2	1.6	•1					İ	<u> </u>	4.8	9.7
E	• 2	• 5	1.8	3.2	• 2				Ĺ			6.0	10.8
ESE	•2	• 6	1.3	1.2						<u> </u>		3.4	9.1
SE	.2	.7	1.0	1.0	. 1							3.1	9.0
SSE	!	• 1	. 4	• 1								.6	7.8
5	•1	• 6	1.0	1.1	. 2	- 2			İ	l		3.3	10.6
SSW		• 5	2.7	3.8	2.2	. 7						9.9	13.6
sw	.1	1.1	1.5	4.3	2.6	1.2						10.8	14.3
wsw	.1	. 4	. 9	4.4	1.7	2.2	•1		[9.8	16.3
w		.6	1.6	5.5	2.7	.7	•1		I			11.3	14.5
WNW		. 4	1.8	2.5	. •							5.0	11.2
NW	• 1	• 5	1.5	2.7	• 7	• 2						5.8	12.0
NNW		1.1	1.7	2.1	.2							5.1	9.8
VARBL													
CALM	\times	\times	\times	\times	> <	>>	> <	\geq	$\geq \leq$		$\geq \leq$. 4	
	1.7	10.8	26.6	40.9	13.6	5.8	.2					100-0	12.3

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM 'HOURLY OBSERVATIONS)

775690 BYAYOR	NATRONA CO/CASPER MY	73-81 YEARS	AUG
		EATHER	1800-2000 MOVES (L.S.T.)
	COM	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	1	MEAN WIND SPEED
N	. 4	2.5	4.0	2.2	• 5	•2			1			9.8	9.3
NNE	• 1	2.1	3.9	2.4	1.0	• 1						9.6	10.0
NE		1.5	1.7	2.5	• 1						i	5.8	9.9
ENE	•1	1.6	2.4	2.2	. 4	•1]	I	[6.8	9.6
E	• 1	2.7	4.8	5.5	.6							13.7	10.1
ESE		1.1	1.8	1.8	• 2	• 1					1	5.1	10.0
SE	•2	1.2	. 4	. 4								2.2	6.8
SSE	•1	1.2	.5	.1	.1							2.1	7.1
\$	•1	• 5	1.6	. 8	•1					}		3.2	9.0
ssw	.1	. 8	2.3	2.5	.7	.1						6.7	11.4
SW		1.8	2.9	2.3	. 5	,4						7.9	10.6
W5W		1.0	2.7	2.7	• 5	.4						7.2	11.
W	•2	1.3	2.2	2.2	.6							6.5	10.1
WNW		. 5	1.5	1.3	.5							3.8	11.5
NW		1.1	1.8	1,3							1	4.2	7.0
NNW	•1	1.1	1.7	.7	. 4	•1		•1	 			4.2	10.1
VARBL										1		1	
CALM	\searrow	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$	\geq	\geq	\geq	\geq	1.3	
	1.7	21.9	36.1	31.0	6.2	1.6		.1				120.0	9.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH US#FETAC ATR HEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81	AUG
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER CLASS	2100-2300 HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 2	3.2	2.1	1.2	.6							7.3	8.
NNE	. 2	3.3	4.0	1.0			<u> </u>	<u> </u>				8.5	7.
NE	•1	4.5	4.1	1.1	.2						[10.1	7.
ENE	•2	2.7	4.0	1.8								8.7	8.
E		2.9	5.8	1.8	. 5							11.1	8.
ESE	• 2	1.5	1.6	.6								3.9	7.
SE	.1	.9	.7	•2								1.9	7.
SSE	• 5	1.6	. 4									2.4	4.
S	• 2	.5	. 6	•2	.2							1.8	
ssw		1.3	2.7	1.8	1.0	•2						7.0	10.
sw	.5	1.8	4.7	1.3	.5							8.9	8.
wsw	.4	2.2	5.8	.9	.1				1			9.4	7.
w	.2	3.3	3.4	.9	-1							7.9	7.
WNW	.1	1.8	. 4	.1	• 2	1	1					2.8	7.
NW	1	1.9	1.6									3.6	
NNW		1.6	1.0	.5								3.0	7.
VARBL								 	 	 		#	
CALM	><	> <	\times	>>	>>	>>	\geq	$\geq <$	\geq	\sim	>>	1.6	
	3.3	34.9	42.9	13.5	3.5	. 4						100-0	7.

TOTAL NUMBER OF OBSERVATIONS

123

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/HAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 NATRONA CO/CASPER WY 73-81 ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	. 3	2.5	2.3	1.0	• 3	•1						6.4	8.2
NNE	• 2	2.0	2.5	1.3	• 3	.0						6.3	8.5
NE	• 2	1.6	1.9	1.0	.1							4.8	8.1
ENE	• 2	1.3	1.6	.9	•1	• 0					1	4.3	8.4
E	•2	1.8	2.8	1.8	• 2							6.8	8.9
ESE	-1	. 9	1.0	.6	.0	• 0						2.6	8.1
SE	•1	• 9	• 5	• 2	•0							1.8	6.9
SSE	•1	. 9	• 3	•1	• 0							1.5	6.0
\$	• 2	. 9	1.0	.6	•2	•0						3.0	8.3
SSW	• 2	1.3	2.6	3.9	1.5	, 3			I			9.7	11.9
5W	. 3	2.0	4.5	5 . D	1.6	• 5	.0					13.9	11.9
wsw	. 3	2,4	5.7	2.8	. 8	. 5	.1				[12.5	10.2
w	. 4	3.4	3.3	2.4	.7	• 2	.0					10.4	9.3
WNW	• 2	2.2	1.4	. 9	.2	•0	.0					4.9	8.1
NW	. 2	2.0	1.8	.8	. 1	.0		l			Ĺ	4.9	7.4
NNW	. 3	1.9	1.5	. 5	.1	• 0		.0			I	4.4	7.3
VARBL													
CALM		> <	><	>>	>>	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$		1.7	
	3.6	28.0	35.0	23.7	6.1	1.7	1	0				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLINATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA CO/CASPER WY	73-81		SEP
STATION	STATION HAME		TEARS	MONTH
		ALL WEATHER		0000-0200 NOVES (L.S.Y.)
		CLASS		HOURS (L.S.T.)
	-	CONDITION		
				

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	1	4.6	2.6	.5								7.9	6.4
NNE	. 8	3.1	2.3	2.1	.1							8.4	7.8
NE		1.5	. 8	.6				<u> </u>	L			2.9	7.3
ENE	.1	• 6	. 8	. 3								1.8	6.9
E	. 3	. 8	. 5	. 6								2.1	7.5
ESE		• 5		. 6						L	Ĺ	1.1	8.9
SE	•1	.1							<u> </u>			.3	4.5
SSE	5	1						L		└	Ĺ <u> </u>	6	3.2
5	.3	. 6	4	. 5	1							1.9	8.7
SSW	. 4	. 6	1.0	2,3					L			4.3	10.2
_sw		2.4	5.3	2.6	.1							10.4	8.8
W\$W	.8	3.3	10.2	1.9	. 3							16.3	7.4
w	1.1	6.8	5.8	5		1			ļ			14.3	6.4
WNW	1.0	9.6	3.0					L			ļ	8.7	5.4
NW	9	4.0	3.1			1			L		 _	8.2	6.1
NNW	.6	4.9	1.6	. 3	1				<u> </u>			7.7	4.1
VARBL								L		<u> </u>	L		
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	3.1	
	6.9	38.7	37.4	12.8	. 8	3						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY		lès .	SEP
		ALL WEATHER		0300-0500 HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.5	3.0	1.1	. 4								5.1	6.3
NNE	. 4	2.1	1.6	1.1	. 3							5.6	8.1
NE	. 3	• 5	. 9	. 5		_						2.1	8.4
ENE		. 5	.1									.6	5.8
E	•1	. 4	. 5	. 4								1.4	8.5
ESE		. 3	. 3	•1								.6	7.1
SE	• 1	• 1	.1									. 4	5.0
SSE		. 3			•1							. 4	8.7
5	• 5	. 4	.1	. 4								1.4	6.5
SSW	•1	1.4	1.5	2.9	.1							6.1	9.4
SW	.5	2.5	6.3	3.8	.1							13.3	9.0
wsw	.9	3.4	14.8	2,9	•1							22.1	8.4
w	1.4	6.2	7.8	. 4		•1						15.9	6.6
WNW	1.0	4.4	1.9	•1								7.5	5.5
NW	.8	4.2	1.8	• 3					·			7.0	5.5
NNW	.9	4.4	.9	• 4				i				6.6	5.7
VARBL												1	
CALM	$\supset \subset$	> <	\times	\times	> <	> <	> <	\geq	\times	$\supset \subset$	\geq	4.0	
	7.5	39.1	39.8	13.7		.1						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690	NATRONA CO/CASPER WY	73-81	SEP WONTH
STATION	STATION NAME	TIAN	MONTH.
		ALL WEATHER	0600-0800 Hours (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	- 6	1.3	. 4	.1								2.4	5.2
NNE	.6	1.6	2.0	1.0	1				<u> </u>			5.5	7.5
NE	. 3	2.0	1.0	1.1					L			4.4	7.5
ENE	. 4	. 4	. 8	. 8					L			2.3	8.2
E	. 4	1.1	. 4	•1								2.0	5.5
ESE	.5	1.0	• 1						·			1.6	9.4
SE	. 4	.6										1.0	3.6
SSE	. 4	. 4	•1									. 9	4.1
5	.6	. 8	1.0									2.4	5.8
SSW	. 3	1.3	1.9	3.8	1.1	. 3						8.6	11.8
sw	. 6	2.5	7.0	8.6	2.3	. 3					<u> </u>	21.3	10.5
wsw	1.1	3.4	12.7	3.7	- 3					l		21.2	
w	1.1	4.8	9.6	1.5								12.1	7.0
WNW	-6	2.7	. 6	.1				I	L			4.1	_5.1
NW	. 8	2.5	. 8	. 3					l			4.3	_5.5
NNW	.6	1.3	. 9									2.8	5.3
VARBL													
CALM	><	><	> <	$\supset <$	$\geq <$	><	$\triangleright <$	><	$\supset <$	$\supset <$	$\supset <$	3.0	
	9.4	27.8	34.3	21.2	3.8	5						100.0	

SHOITAVESSO TO RESMUH LATOT

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY STATION MARE		SEP
	ALL	WEATHER CLASS	0900-1100 HOUSE (L.S.T.)
		Сометтом	

SPEED (KN75) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 3	.6	1.5	• 6	•1							3.1	8.7
NNE	.1	• 6	3.3	2.3								6.3	2.6
NE	• 3	. 5	1.4	. 9								3.0	8.
ENE	.4	. 6	1.5	• 3								2.8	7.
ŧ	. 3	1.8	1.1	. 4	. 3				I			3.8	7.5
ESE	8.	1.0	. 6	• 1								2.5	5.4
SE	. 3	1.9	6									2.8	5.4
SSE	• 3	1.1	. 3									1.6	S.
5	. 4	2.0	1.1	.6	• 1							4.3	7.2
55W	-1	. 9	3.0	8.7	2.9	• 5		ł				16.1	13.3
SW	.3	. 8	7.0	11.4	5.5	1.8						26.8	13.
wsw	.3	1.1	4	4.3	1.3	. 8						12.1	11.
w	. 3	1.3	2.9	2.6	1.0							8.4	11.
WNW	. 3	1.0	• 3		. 5	1		L		L		2.8	10.4
NW	[]	1.0	• 3	.1						L		1.4	7.1
NNW		. 4	1.0	. 3								1.6	_ 8.6
VARBL													
CALM		> <	><	><	><	><	><	$\supset <$	$\triangleright <$		><	. 8	
	4.0	16.6	30.3	33.2	11.7	3.5						100-0	114

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569 NATRONA CO/CASPER MY 73-81 SEP
STATION STATION HARE ALL WEATHER 1200-1400
CLASS HOUSE (L.E.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	. 9	. 4	. 6	. 5		.1					2.9	10.3
MME	•1	2.2	1.8	3.2	1.0	1						8.4	10.9
NE		1.5	1.9	, 4				<u></u>				3.8	7.2
ENE		1.4	1.4	. 3								3.1	7.1
ŧ		1.8	1.9	. 8							I	4.5	7.9
ESE	.1	. 8	. 4	. 4]			L	1.7	7.3
SE	.3	1.0	. 4	. 3							[1.9	6.7
922	. 4	1.7	. 4									2.4	5.3
5	. 3	1.3	1.3	.9	. 4	•1]		I		4.2	9.4
\$5W		1.2	2.6	4.3		. 1					I	9.0	11.3
sw		1.3	3.8	4.7	3.8	8	.1		T]	14.6	13.6
wsw	•1	2.2	4.2	4.7	2.9	1.5	.6				J	16.4	13.7
w	. 3	. 9	3.3	5.4	1.5	1.4						12.8	13.3
WNW	.1	1.0	1.9	3.5	. 5	•3					1	7.3	11.9
NW	.1	.6	1.5								I	3.7	9.4
NNW	.1	1.5	1.0	. 4	•1						1	3.2	7.6
VARBL													
CALM	$\searrow \bigvee$	$\geq \leq$	\times	\times	\ge	$\geq \leq$	$\geq \leq$	$\geq \leq$	\geq	\geq	$\geq <$	•1	
	2.3	21.2	28.3	31.2	11.6	4.3						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY		YEARS	SEP.
		ALL WEATHER		1500-1700 HOURS (L.S.T.)
		COMPITION		

SPEED (KN75) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N	•1	1.4	2.5	.6	. 3							5.0	8.6
NNE		1.9	2.5	3.8	1.8							9.9	11.5
NE	, 4	. 8	1.5	1.1							ł	3.8	4.9
ENE	•1	1.6	1.3	.4								3.4	7.0
E	. 3	1.6	2.5	3.5	. 3							8.2	10.0
ESE		• 5	. 8	. 4								1.6	8.4
SE	. 4	. 8	•1	•1	•1							1.5	6.3
SSE		1.0	1.1									2.1	7.1
5	• 1	1.0	1.6	. 6	•1							3.5	8.7
SSW	•1	.9	2.3	1.9	1.0	.3						6.4	11.6
SW	.1	• 5	2.5	3.9	2.1	. 9	. 4					10.4	15.1
wsw	.1	1.0	3.1	4.6	2.0	1.1	.1					12.2	13.5
w	. 3	1.9	3.1	4.8	1.9	6						12.6	
WNW	. 4	. 8	2.5	2.6	1.0	•1	.3					7.7	11.4
W	•1	1.1	3.0	2.3	.1	1						6.8	10.1
NNW	. 3	1.1	1.8	1.4]	4.5	8.8
VARBL													
CALM	\times	> <	\mathbb{X}	\times	\times	\times	\times	\times	\boxtimes	><		.4	
	2.8	17.8	32.3	32.2	10.7	3.1						100.0	11.0

TOTAL NUMBER OF ORSERVATIONS

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569.	NATRONA CO/CASPER MY	73-81 YEARS	SEP HOSTY
		ALL WEATHER	1800-2000 Novem (LE.T.)
		COMBITION	

SPEED (KNYS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 4	1.8	2.2	. 4	.1							4.9	7.6
NNE	•1	3.3	4.9	3.2	. 8							12.3	9.5
NE	. 3	2.2	3.6	1.0								7.1	7.8
ENE	•1	1.5	2.9	1.2								5.8	8.2
ŧ		1.8	6.2	3.1	. 3							11.3	9.3
ESE	• 3	1.2	2.3	.6								4.4	7.6
SE	•1	2.1	. 8									2.9	5.7
SSE	•1	2.1	.5									2.7	5.5
5	.5	1.7	1.3	. 5	. 3							4.2	7.5
SSW	•1	1.2	1.5	1.4	. 5	•1						4.9	10.4
sw	•1	2.8	3.7	1.0	. 3	. 4						8.3	8.9
WSW	.3	3.1	5.0	1.3	. 4	4			T			10.4	9.0
w	.3	3.1	3.6	1.3	3	1						8.6	AAI
WNW	•1	1.0	1.4	. 9	.1							3.6	Asi
NW	.1	1.3	1.2	.5	.1	.1	•1					3.5	9.2
NNW		.6	3.2	.3								4.1	7.1
VARBL									1				
CALM		> <	\searrow	\searrow	\times	\times	\times	\boxtimes	\geq		><	1.2	
	2.9	30.6	44.2	16.7	3.1	1.2	1					100.0	

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 NATRONA CO/CASPER WY 73-81 SEP

STATION

ALL WEATHER

COMPUTION

COMPUTION

(KNTS) DIR.	1 - 3	3.0	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	7.4	SPEED
NNE	.1	4.7	3.9	1.8	.5	•1			 	1		11.1	
NE	.1	3.3	3.5	1.0								7.9	7.
ENE	. 4	2.0	3.2	. 8								6.3	7.
	.1	2.4	3.7	.5	.1				 			6.8	7.
ESE	. 3	• 5	1.0							<u> </u>		1.8	. 6
SE		• 5	. 3							ļ		.8	6
SSE	•1	. 3										. 4	-
S		1.1	. 6	. 9								2.6	
SSW	.4	1.0	1.3	1.5	. 3							9.9	
sw	•1	1.3	3.3	2.5	. 3	•1						7.6	10.
wsw	. 8	4.3	7.2	,6	. 4							13.2	7.
w	1.3	4.7	4.0	1.0	.1							11.1	
WNW	. 8	3.3	. 9	. 3					L			5.3	
W	.5	3.3	2.6	. 3								6.7	
NNW	•1	2.6	. 9	. 5								4.2	
VARBL													
CALM	><	$>\!\!<$	$>\!\!<$	$>\!<$	><			><	><	><	><	2.4	
		38.2	70.4	12.0	2.1	3						100-0	7

TOTAL NUMBER OF OBSERVATIONS

CLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569 TETATION	NATRONA CO/CASPER MY STATION NAME	73-81	YEARS	SEP
	1	ALL WEATHER		MOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 3	2.1	1.8	• 5	•2		.0					4.9	7.4
NNE	. 3	2.5	2.8	2.3	. 6	•0						8.4	9.3
NE	• 2	1.5	1.8	. 8								4.4	7.8
ENE	•2	1.1	1.5	• 5					I			3.2	7.5
E	• 2	1.5	2.1	1.2	• 1							5.0	A . 5
ESE	•2	.7	.7	• 3								1.9	6.9
SE	•2	• 9	.3	•0	•0							1.4	5.6
SSE	.2	. 9	. 3		•0							1.4	5.6
\$.3	1.1	.9	.6		0						3.1	8.0
SSW	.2	1.0	1.9	3.4	. 8	• 2			_			7.5	11.5
SW	•2	1.8	4.9	4.8	1.8	•5	•1					14.1	11.6
wsw	• 5	2.7	7.7	3.0	. 9	.5	.1					15.5	9.8
*	.7	3.7	4.4	2.2	-6	. 3						12.0	A . 6
WNW	.5	2.4	1.6	1.0	. 3	.1	.0					5.9	8.0
NW	. 4	2.3	1.8	6	. 0	.0	٩٥					5.2	7.2
MMM	. 3	2.1	1.4	. 4	.0							4.3	6.8
VARBL													
CALM	><	$\geq \leq$	$\supset <$	>>	\times	> <	\geq	$\geq \leq$	\geq	><	> <	1.9	
	5.2	28.1	35.8	21.6	5.6	1.7	•2					100.0	

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.75690	WATROWN COVERSTER WIT						
STATION	STATION NAME		YEARS	MONTH			
	ALL WEATHER CLASS						
		CONDITION					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•1	2.8	1 • 3	•6	.1							5.0	6.9
NNE	. 4	1.7	3.2	1.1	• 1			l				6.5	8.0
NE	1	. 9	1.7	• 5				I				3.0	8.4
ENE	• 5	1.3	1.0									2.8	5.6
E	. 4	1.2	• 5	. 5								2.6	6.7
ESE	• 1	. 4	•1	• 1								.7	6.2
SE	•1	• 2										- 4	4.0
SSE		•1	•2					 	1			.4	7.5
S		. 4	.1	•1								6	6.6
ssw	•1	. 5	1.1	3.2	1.8							6.7	13.5
SW	•2	1.5	7.3	10.0	2.1	•1	. 5					21.7	11.5
wsw	.6	4.9	10.0		.1							19.0	Baz
w	1.1	3.3	5.7	1.1	. 2	.1			1			11.6	7.6
WNW	•6	3.5	. 9	.1				i	1	1		5.1	5.4
NW	• 2	3.8	2.1	.2								6.3	6.2
NNW	• 2	3.4	1.2	.1				1	1	1		5.0	6.1
VARBL							 			1			
CALM		> <	> <	>	> <	> <	> <	>	\geq		> <	2.6	
	4.8	29.9	36.5	21.1	4.5	.2	5					100.0	Ba!

TOTAL NUMBER OF OBSERVATIONS 820

USAFETAC FORM 0-8-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569~	NATRONA CO/CASPER NY	73-81 YEARS	0 C T
	A	LL WEATHER	3300-0500
		CONSTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	• 7	1.7	.7	.6								3.8	6.
NNE	.4	3.2	3.1	1.0				<u> </u>				7.6	
NE	• 1	1.0	1.7	• 2				l				3.1	7.
ENE	•2	. 6	1.0									1.8	6.
£	,1	1.1	• 2	•6	. 2							2.3	8.
ESE	•1	• 2	• 2									6	6.0
SE	-1	• 2	•1									5	5.
SSE	. 1	• 2											3.
S	1	. 2	. 2	1								7	_6.
\$\$W_	•1	. 7	1.7	3.7	1.1	. 4		<u></u>				7.7	12.
sw	.2	2.8	8.2	13.0	2.0	. 2	L	L				26.4	11.
WSW	•2	5.3	10.3	4.0	. 4	1			<u> </u>			20.3	_86
w	.7	4.9	3.7	1.5	. 5			l	<u> </u>			11.3	_7.
WNW	.2	2.9	1.3	.2			Ĺ					4.8	_ 6.
NW	. 9	2.4	.6				L			<u> </u>		3.4	5.
NNW	-1	2.6	. 4	. 2				L	<u> </u>	L		3.3	5.
VARBL							L						
CALM	><	><	\times	\times	><	><	$\geq \leq$			><	$\geq \leq$	2.0	
	4.2	30.2	33.5	25.2	4.2	.7						100.0	

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

<u>.</u>...

GLOBAL CLIMATOLOGY BRANCH USAFETAC Ale meather service/mac

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725697 87A7108	NATRONA CO/CASPER MY STATION NAME	73-81	YEARS	OCT MONTH
		ALL WEATHER		0600-0800 HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 9	2.1	1.2	1.0								5.2	7.0
NNE	1.0	1.5	2.6	.6					L			5.7	6.9
NE	• 5	9	1.6						l			3.0	6.3
ENE	.4	1.4	.7	• 1								2.6	5.8
E	• 2	1.4	1.1	. 4	1							3.2	7.4
ESE	. 4	1.0	• 1	•1								1.6	5.2
\$E	• 1	. 4										. 5	4.5
SSE	• 1	• 5										.6	4.2
\$		• 2	• 2						L			.5	6.3
ssw	. 1	. 5	1.4	4.7	1.8	. 5	.1					9.1	19.2
sw	• 1	2.2	7.0	18.0	3.7	.7						31.7	12.5
wsw		2.0	11.3	5.3	• 5				L			19.1	9.7
w	• 2	2.6	4.3	1.0								8.2	7.8
WNW		1.8	• 7									2.6	5.7
NW	, 1	1.8	. 6									2.6	5.7
NNW		1.5	•2	•2								2.0	6.3
VARBL													
CALM	><	><	><	><	><	> <		$\geq \leq$	$\geq \leq$	$\geq \leq$	><	2.0	
	4.2	21.6	33.2	31.4	4.3	1.2	1					100.0	9.6

TOTAL NUMBER OF ORSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC

2

ATE WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA CO/CASPER MY	73-81	
STATION	STATION NAME	TEARS	peers
		ALL WEATHER	0900-1100 mount (LAT.)
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	•2	1.6	2.0	1.2	. 2							5.3	-84
NNE		1.0	2.2	1.1	• 7							5.0	10.0
NE	.1	1.1	1.0	. 6								2.9	- 8.0
ENE		1.4	1.2					}	}			2.6	6.
E		1.5	. 9	• 2								2.6	7.1
ESE	•1	. 9	.6									1.6	60
SE	• 2	1.0	. 4									1.6	5.
SSE	• 1	. 4	•1									- 6	4.
S	• 2	1.6	• 2	. 4	•2							2.7	7.
SSW	. 1	. 9	1.5	7.6	7.7	1.1	.1					19.0	15.4
sw	•1	1.0	3.6	16.0	11.4	3.6	. 4		1			36.0	15.7
wsw	.1	.7	1.7	5.3	1.2							9.1	12.0
w		.6	1.0	2.2	.6	•5			1	 		9.9	13.2
WNW		.9	• 5	.1	•2							1.7	-84
NW	.1	. 7	• 7	. 4					İ	1		2.0	7.
NNW	.1	•5	.6	. 4	_							1.6	7.4
VARBL	•									 		1 1 1	
CALM	>	> <	\times	>>	>	\times	> <	><	> <		> <	.7	
	1.7	15.6	18.2	35.5	22.6	5.2	. 5					100-0	12.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569C	NATRONA CO/CASPER MY	73-81 YEARS	OCT MONTH
	Manage report	ALL WEATHER	1200-1400 HOURS (L.B.Y.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 2	. 2	1.2	2.6	. 4							9.7	11.
NNE	i	. 7	2.2	1.7	. 6							5.5	11.
NE		. 4	1.7	.7	• 2							3.1	10.
ENE		. 4	1.1	•1								1.6	7,
E	• 1	. 9	2.1	1.2	•1							4.5	9.
ESE	• 2	. 9	• 2	•2								1.6	6
SE	• 1	1.0										1.1	5
SSE	• 2	• 1	• 1									. 5	5
5		.6	. 4	. 5	• 1					<u>i</u> i		1.6	9
ssw	• 2	.6	2.0	6.5	4.3	1.6						15.3	15
sw		. 6	2.6	11.3	10.3	2.5	•1					27.5	15
wsw	•1	1.0	2.5	4.3	2.9	1.4	. 5					12.7	19
w		• 5	2.6	4.2	2.4	. 4	•1					10.2	13
WNW	. 2	. 6	1.1	2.1	. 4	•2						4.7	_11
NW		1.0	. 9	.7		•1			L			2.7	9
NNW		, 9	, 9	.5						i		2.2	Ĺ
VARBL													
CALM	><	><	><	$>\!\!<$	\times	><	$>\!\!<$	><	$\geq <$	><	><	• 5	
	1.6	10.4	21.7	36.9	21.7	6.3	•7					100.0	13.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH SURFACE WINDS USAFETAC 2 AID WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 72569: NATRONA CO/CASPER MY 73-81 ALL WEATHER 1500-1700 SPEED (KNTS) MEAN WIND SPEED 17 - 21 11 - 16 DIR. N 9.6 1.5 NNE 1.2 2.2 4.2 9.2 12.0 NE 1.0 2.3 1.2 <u> 1 م د</u> 4.6 .6 1.8 .4 1.5 1.1 1.8 5.0 9.2 ESE . 4 8.3 .4 1.1 1.9 SE 6.2 . 8 . 4 • 2 5.5 5 1.0 •7 9.0 1.1 4 2.9 12.7 3.6 SSW • 6 9.3 SW 3.2 7.9 3,2 1.7 14.2 1.0 3.9 2,8 1.3 14.4 2.5 11.7 2.5 11.7 2.1 4.7 5.6 -4 15.3 WNW 3.9 8.0 11.4 11.2 NW 1.0 1.6 3.5 2.2 4.7 VARBL • 6 100-0 TOTAL NUMBER OF OBSERVATIONS 0 USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE 0

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7256 90 NATRONA CO/CASPER MY 73-81 TEARS BONTH

ALL WEATHER
CLARS
CONDITION

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 5	2.4	2.6	1.0	.6						1 .	7.1	
NNE	•1	2.7	2.9	3.3	1.1							10.1	9.4
NE	. 1	1.7	2.9	. 9	- 1							5.7	8.
ENE	.1	• 9	2.2	.6								3.8	8.3
E	.1	1.7	3.4	.7							i	6.0	7.1
ESE		1.2	.6	.1					,		1	2.0	60
SE	•1	1.0	•2	•1						<u> </u>	i	1.5	60
SSE		. 6	• 2									.9	5.0
S	. 4	. 9	.7	.4					T			2.3	6.1
SSW	. 5	1.0	3,4	3.5	. 4	.4	.1					9.3	11.1
SW	•2	2.3		5.5	1.1		.1					16.7	10.
wsw		2.0		1.7	.5						1	12.6	8.0
w	•2	3.4	3.7	1.5	. 4	•1			<u> </u>			9.3	10
WNW	•2	2.7	2.1	.5	•1				<u> </u>		<u> </u>	5.6	7.
NW		1.6	1.3	•1		 		 	f	 		3.4	7.5
WMM	.1	1.1	1.3			 	 	 	 	 	ļ	2.6	6.0
VARBL						 	 	 			 	1	
CALM	><	\times	> <	> <	$\geq \leq$		\geq	>>	\times	\times		1.2	
	2.8	27.1	43.6	19.9	4.6	.5	- 2					100.0	

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF "EATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725691	NATRONA CO/CASPER WY	73-81		OCT
STATION	STATION NAME		TEARS	MONTH
		ALL WEATHER	·	2100-2300
		CLASS		NOURS (E.S.Y.)
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1	3.0	2.0	• 9								5.9	7.5
NNE	•6	3.6	2.3	2.6	. 2							9.4	8.3
NE	. 4	2.0	1.5	.5								4.3	6.6
ENE	•1	1.7	1.6	.6								4.1	7.2
ŧ		1.4	1.0	. 4	• 2						<u> </u>	3.0	7.6
ESE	• 2	• 6	•2	•2								1.4	6.4
SE	• 2	.6	•1							 		1.0	4.5
SSE		•1	• 1					<u> </u>		† — — —		.2	6.0
5	•1	. 4	•2	•2					<u> </u>			1.0	7.5
\$5W	. 4	. 5	1.5	1.7	1.4		. 2					5.7	12.4
sw	•2	1.5	7.4		1.7	•1	.1		i	1		18.8	11.4
wsw	. 4	3.9	11.8	2.1	1					<u> </u>		18.5	8.4
w	.2	3.7	5.7	.7	.4			·		···		10.7	7.6
WNW	. 5	3.4	1.5	.1						1		5.5	5.1
NW	-	3.3	1.2	•2								4.8	-6.4
WMM	.1	2.1	.9	.2						 		3.3	6.9
VARBL									 	 -		#	
CALM	><	> <	\times	\times	> <	\times	\times	>	$\geq <$	>>	> <	2.5	
	3.7	31.8	39.0	18.3	4.1	2						100.0	843

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY	73-81 YEARS	OCT MONTH
		ALL WEATHER	MOURS (L.S.T.)
		CONDITION	_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 · 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4	2.0	1.6	1.1	• 2							5.3	8.2
NNE	. 3	1.9	2.6		5	0						7.4	9.7
NE	• 2	1.1	1.8	.6	1					I		3.7	8.
ENE	•2	1.0	1.2	•2								2.6	7.0
E	.2	1.3	1.4	.7	•1							3.6	8.
ESE	• 2	.7	. 4	•2								1.4	6.
SE	.1	.7	• Z	.0					<u> </u>			1.0	5.
SSE	•1	• 3	•1									.5	5.1
5	.1	.7	. 4	.3	.1							1.5	7.5
SSW	•2	.7	1.9	4.3	2.6	.5	•1					10.3	13.1
sw	.2	1.6			4.4	1.1	•2			t		24.4	13.2
wsw	•2	2.6	7.3	3.8	1.1	. 4	•1			-		15.4	10.2
- w	• 3	2.6	3.9	2.2	. 9	•2	.0					10.2	
WNW	.3		1.3	. 9	• 2		• •		 			4.8	
NW	•1	1.9	1.1	. 4	•0								
NNM	-1		.8	.3		•0						3.6	
	• •	1.6	• •	- • •	•0					 		2.8	6_1
VARBL	 	$\overline{}$										#	
CALM		$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		$\geq \leq$	$\geq \leq$	1.5	
	3.0	22.7	31.6	28.1	10.2	2.3	3					100-0	.10.2

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569 TATION	NATRONA CO/CASPER MY		MOV
		ALL MEATHER CLASS	0000-0200 HOUSE (L.S.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	. 3	2.1	1.6	1.1	.5	1						5.8	9.0
NNE	•1	1.4	2.0	1.1	•1							4.8	4.7
NE	• 3	. 8	1.0	1.0								3.0	- 8.4
ENE		1.0	. 5									1.5	6.3
E	• 1	. 6	, 9									1.6	6.4
ESE		• 6	1						[. 8	5.0
SE		8	•1									. 9	5.0
\$SE	1											5	4.5
S		. 3										.3	4.5
SSW	. 1	1	1.3	5.4	3.8	9	. 3	. 1				11.9	15.9
sw		1.4	6.0	14.2	5.8	8						28.2	13.4
wsw	3	1.4	14.3	5.7	. 5	- 1				l		22.3	2.1
w	.1	2.0	3.3	1.4	1							6.9	8.3
WNW	•1	1.9	1.0									3.4	6.7
NW	.6	1.5	. 9	. 3	•1							3.4	4.3
NNW	.3	1.0	1.1	•1								2.5	6.4
VARBL													
CALM	$\geq \leq$	$\geq \leq$	><	><	$\geq \leq$	$\geq <$	$\geq \leq$	\times	$\geq \leq$	$\geq <$	><	2.3	
	2.4	17.2	39.2	30.7	10.9	1.9	3					100-0	10.5

TOTAL NUMBER OF OBSERVATIONS 795

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

 ∞

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY STATION MARKE	73~81 YEARS	NOV HOUTE
	ALL	WEATHER CLASS	1300-0500 HOVER (L.S.T.)
		COMPITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	FT - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.1	1.5	1.3	. 8							i	3.7	7.9
NNE		2.1	1.8	2.1	1							6.2	9.1
NE		•6	.5	.6				I				1.8	8.9
ENE	!		.6	.1								.8	7.7
E	.3	1.0	,6									1.9	5.6
ESE	•1	. 8	. 4	.1							-	1.4	6.5
SE	.1	• 5										.6	4.2
SSE	• 3	•1	.1									.5	4.3
5	.1		. 3	. 3								- 6	9.2
SSW		. 4	1.3	4.7	2.9	.9	. 3					10.4	15.1
sw	.3	1.0	6.1	16.4	6.2	1.3	.4					31.6	13.5
wsw	.6	2.7	11.0	6.4	.6	.3	.1					21.7	2.6
w	-3	2.1	4.2			.1						7.6	_ 1.1
WNW	.1	1.5	, 8	.1								2.5	- 6.1
NW	. 9	2.0	1.0	. 4	- 1							3.9	6.6
NNW	.1	1.3	.5	. 3				1				2.1	6.5
VARBL	1										l		
CALM	\times	> <	> <	$>\!\!<$	\times	> <	> <	\boxtimes	\geq	\times	$\geq \leq$	2.8	
	2.8	17.7	30.3	33.2	10.0	2.5						100-0	10.4

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569~	NATRONA CO/CASPER MY	73-81		NOV
STATION	STATION HAME		TEARS	ROATH
		ALL WEATHER		0600-0800 HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 6	1.1	• 8	.8								3.3	7.4
NNE	. 4	2.9	1.5	1.8	• 5							7.2	8.5
NE	•1	. 5	1.0	. 4								2.1	8.6
ENE		. 4	. 5	• 1								1.0	7.4
E		. 9	. 5	•1					_			1.5	6.1
ESE	•1	.6	. 4									1.1	5.6
SE													
SSE		• 3	.1										5.7
S	•1					1						- 3	12.0
SSW		. 9	1.5	4.8	4.6	1.3						13.0	15.0
SW		. 8	5.1	19.3	7.7	1.4	. 6	•1				35.0	14.6
wsw	. 3	2.0	12.6	4.3	.6							20.2	9.5
w	.5	1.6	3.7	. 8	. 4							7.0	8.1
WNW	.1	1.1	. 3									1.5	_5.1
NW	• 3	1.8	. 3									2.3	5.1
WMM	.4	1.0	. 5									1.9	5.3
VARBL													
CALM	>>	><	> <	\times	\times	\times	\times	>>	\sim	\times	>>	2.1	
	2.9	15.9	28.7	32.4	13.9	3.3		1				100.0	11.2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC	PERCENTAGE FREQUENCY OF WIND	SUF

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725692 STATION	NATRONA CO/CASPER MY	73-81 YEARS	NOV HORTH
		ALL WEATHER	0900-1100 HOWRS (L.S.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 . 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.1	• 6		. 6	- 1							2.3	8.4
NNE	. 3	. 6	1.5	1.6	. 9							4.9	10.
NE	.1	. 9	. 9	.6								2.5	8.
ENE		• 6	. 9	. 3	. 3							2.0	8.
	.1	. 9	1.1	. 5	•1							2.8	
ESE	.1	.6	.5								i	1.3	6.
SE	. 3	. 4		.1								.8	5.
SSE	•1	• 1										. 3	4.
S	.4	1.3										1.6	4.
ssw	•1		1.1	5.1	8.6	3.7	. 5	.1			1	19.3	18.
SW	•1	. 4	2.9	15.6	16.0		1.0	.4				42.3	17.
wsw	. 3	. 8	3.2	5.3	. 4	. 4	.1	_				10.9	11.
w		. 9	1.1	1.9	.1	•5	.1			1		3.7	12.
WNW		. 6	.5	.5			.1			<u> </u>		1.8	10.
NW	.1	1.0	.8	.1								2.0	. 6.
NNW		.1	.5	•1								.8	- 4.
YARBL									 	 			
CALM		> <	\times	> <	> <	> <	\times	>	\geq	\geq	>	. 3	
	2.2	9.9	15.9	32.5	26.5	10.4	1.9	5				100-0	.18.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC

AIR MEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725691	NATRONA CO/CASPER MY	73-81	NOV
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400
		CLASA	HOURS (L.S.T.)
		CONSTIGN	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	• 5	1.6	. 8	. 3							3.4	10.1
NNE	i	• 6	2.2	2.5	. 5							5.8	_11.
NE	ii	• 5	1.4	1.5	. 1					I		3.5	9.9
ENE	• 1	. 5	.6	.3						1		1.5	7.
E	•1	. 8	1.0	.6								2.5	8.
ESE		. 1	.6									.8	7.
SE	• 1	. 4	. 3	•1								.9	6.
SSE	-1	. 3										-4	5.1
S	• 1	• 3										. 4	
SSW			1.4	3.2	8.1	3.2	1.1					19.0	18.
sw		. 6	2.3	11.7	12.9	6.2	1.1	•1				35.0	17.
wsw	.5	• 3	2.3	4.8	2.7	• 5	.4					11.4	140
w	.3	. 5	, 9	2.2	. 9	1.9		.1				6.2	14.
WNW	- 2	. 8			. 4	4						3.7	_11.
NW	.1	. 9	. 9	.9	- 6					1		3.4	10.
NNW	.1	.5	. 8	.3						1		2.0	9.
VARSL							1	T		1			
CALM	$\supset \subset$	> <	> <	>>	\times	> <					> <		
	1.9	7 - 5	17.2	31.8	26.9	11.8	2.7					100.0	1.6

TA9

GLOBAL CLIMATOLOGY BRANCH USAFETAC AID MEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA CO/CASPER NY	73-81	NOV
STATION	STATION NAME	YEARS	NONTH
		ALL MEATHER CLASS	1500-1700 HOURS (L.B.T.)
		сомонтюм	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N		. 4	1.5	. 9	.1	•1						3.0	10.8
NNE	. 1	. 9	2.8	2.7	• 6	• 1						7.2	
NE	•1	1.7	. 8	. 9								2.8	8.
ENE	!	• 5	1.0	• 5					1			2.0	8 . 8
E		• 5	2.1	. 8								3.4	8.
ESE		. 3	. 8	• 5						i		1.5	9.
SE	.1	• 3	.1									.5	5.
SSE		. 3	.1	• 1								. 5	7.
S	. 3	. 6	. 4	• 3	.1							1.6	7.
\$5W		. 4	2.1	4.9	3.7	1.0	, 9					13.0	16.0
sw	•1	. 9	5.8	12.9	6.4	2.0	. 8					29.0	14.
wsw	.1	. 8	4.3	4.7	2.7	.6	1					13.3	12.
w	• 3	1.1	3.7	3.5	1.3	. 4	. 3					10.2	11.
WNW		. 8	1.8	1.6	. 6	. 4						5.2	11.
NW		1.0	. 8	1.0								2.8	8.
NNW	.4	. 8	1.4	. 8	. 3	.1						3.7	9.
VARBL													
CALM	><	><	><	><	><	><	><	><	><	><	> <	. 3	
	1.5	10.4	29.5	35.8	15.8	9.8	2.0					100.0	12./

TOTAL NUMBER OF OBSERVATIONS 791

GLOBAL CLIMATOLOGY BRANCH USAFETAC Al: WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569 ·	NATRONA CO/CASPER WY	73-81	TEARS	NOV
		ALL WEATHER		1800-2000 HOVES (L.S.Y.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	•1	1.8	1.3	1.1	.1	- 1						4.5	8.9
NNE	• 1	1.4	2.9	2.0	. 4			<u> </u>				6.8	9.5
NE		. 9	2.0	• 5						7 · · · · =		3.4	8.0
ENE		• 5	1.5	. 3								2.3	8.3
E	.1	1.1	1.9	. 5						L		3.7	7.8
ESE	• 3	. 4	. 9							i		1.5	6.8
SE	• 3	. 3								į	Ĭ		3.8
SSE	• 1								I		I		2.0
S		. 3	• 1					L		<u>i</u>	i	4	_6.3
SSW	• 1	. 5	1.8	2.6	3.7	. 5	-1	<u> </u>			<u> </u>	9.3	15.1
sw	. 4	1.0	4.4	12.0	4.9	1.5			L	<u> </u>	<u> </u>	24.7	1940
wsw	• 3	2.3	10.5	4.4	. 9	1					<u> </u>	18.4	947
w	• 3	4.5	5.3	1.3	. 8			1	<u> </u>	<u> </u>		12.2	4.5
WNW	. 4	2.3	1.8	. 4	. 3			L			·	5.0	7.1
NW	1	2.0	2.0	1					<u> </u>			9.3	
NNW		. 8	•6	. 3					<u> </u>			1.6	7.1
VARBL							L			<u> </u>	<u>.</u>		
CALM	><	><	><	><	\supset $<$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$		1.3	
	2.5	19.9	36.9	25.4	11.0	2.3	5	.3				100-0	

TOTAL NUMBER OF OBSERVATIONS 794

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

, 1

SLEBAL CLIMATOLOGY BRANCH SURFACE WINDS USAFETAC AI- WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 705690 NATRONA CO/CASPER MY 73-81 NOV ALL WEATHER SPEED (KNTS) DIR. MEAN WIND SPEED 1.3 1.5 1.3 9.3 N 1.8 1.4 5.4 NNE 3.4 1.8 6.8 NE 1.1 1.5 4.2 8.5 ENE 1.1 . 9 . 3 2.4 6.8 . 8 1.4 2.4 ESE . 8 1.0 6.1 SE . 6 4.8 • 6 SSE . 9 •1 1.0 5.5 . 4 4.0 4.3 .6 15.9 10.7 1.4 4.3 11.5 5.2 14.2 SW 1.4 24.6 2.9 10.1 wsw . 4 5.6 .6 19.9 2.8 3.8 1.0 1.4 9.7 9.7 2.5 1.6 7.5 .5 4.9 NW 1.0 1.4 2.5 6.6 NNW 1.8 5.5 VARB 1.4 TOTAL NUMBER OF OBSERVATIONS USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

()

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP REATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA CO/CASPER MY	73-81	·	NOV
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		ALL
		CLASS		HOURS (L.S.T.)
		·····		
		COMPITION		

SPEED (KNTS) DIR.	1-3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	!! % !	MEAN WIND SPEED
N	. 2	1.2	1.3	• 9	• 2	•1						3.9	9.5
NNE	• 1	1.5	2.3	1.9	. 4	• 0				l		6.2	9.
NE	. 1	. 8	1.1	.9	• 0			L				2.9	8.
ENE	. 3	. 6	. 8	.2	• 0							1.7	7.1
Ę	• 1	• 9	1.1	. 3	•							2.5	7.
ESE	• 1	• 5	. 5	-1								1.2	6.
SE	•1	. 4	.1	•0								.6	5.
SSE	• 1	. 2	•1	• 0								. 4	5.
S	• 1	. 4	.1	1	0	. 0						. 8	6.
ssw	. 1	. 3	1.4	4.6	4.9	_ 1.5	- 4	.0				13.3	16.6
sw	• 1	, 9	4.6	14.2	8.1	2.5	. 6	1				31.3	15.
wsw		1.6	8.5	5.1	1.1	. 3	.1					17.2	10.
w	. 3	2.0	3.2	1.6	6	.3	1	. 0				8.1	10.0
WNW	.1	1.4	1.1	. 6	. 2	1	. 0					3.5	8.
NW	• 2	1.5	. 9	. 4	-1							3.1	7.2
NNW	•2	. 8	.7	. 3	•1	•0						2.1	7.0
VARBL													
CALM		$\geq \leq$	\times	$>\!\!<$	\times	$\geq \leq$	> <	$\geq \leq$	\geq	$\geq \leq$	><	1.3	
	2.4	15.1	27.9	31.1	15.9	5.0	1.2	.2				100.0	110

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A.) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

· . .

GLOBAL CLIMATOLOGY BRANCH SURFACE WINDS USAFETAC 2 AIR WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 725690 NATRONA CO/CASPER WY 73-81 DEC ALL WEATHER 0000-0200 SPEED (KNTS) DIR. MEAN WIND SPEED 7 - 10 | 11 - 16 1.5 1.5 4.2 1.7 •6 NNE 1.0 9.4 2.6: .7 NE 1.0 2.6 8.3 ENE • 7 . 6 6.8 1.5 .5 1.2 6.0 1.7 ESE • 5 . 4 .9 6.1 SE .4 4.0 .5 3.0 SSE •1 5 . 4 • 2 18.0 1.3 3.2 5.5 2.8 13.7 SSW •1 16.0 1.2 3.3 18.1 11.0 39.2 SW • 2 4.5 WSW 1.2 7.2 5,9 1.5 15.8 10.9 • 5 2.1 3.6 1.6 .2 8.1 8.7 2.3 WNW 6.8 7.0 1.2 • 2 • 5 NW 2.5 NNW 1.2 2.2 5.2 .6 VARBL 1.8 100.0 TOTAL NUMBER OF OBSERVATIONS C USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569 STATION	NATRONA CO/CASPER MY	73-81	YEARS	DEC
		ALL WEATHER		0300-0500 HOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 2	1.6	1.7	.6	.1		.1					4.4	8.1
NNE	• 5	1.6	. 5	• 5				<u>.</u>				3.1	6.
NE	• 2	1.6	1.0	.7								3.6	7.
ENE		1.0	.7									1.7	6.
E	•1	.6		• 2								1.0	6.
ESE		. 4	. 4							<u> </u>	İ	.7	6.
SE		.1										.1	4.
SSE				•2								.2	12.
5	.4	.2										.6	3.
ssw		.7	. 9	3.1	5.0	3.2	.5					13.4	18.
SW	• 2	.7	3.7	16.5	13.8	4.4	.1	•1	ļ			39.6	16.
wsw		.9	7.6	6.1	.7	.6						16.0	11.
w	.1	2.0	2.7	1.8	. 6	•1						7.4	2.
WNW	.1	. 7		•7				T				2.6	9.
NW	•2	1.0	. 4	. 4						 		2.0	
NNW	•2	2.0	• 1	•1				J				2.5	5.
VARBL												1	
CALM		><	> <	>>	\times	> <	\times	> <	\geq	\geq		1.2	
8	2.5	15.1	20.6	31.1	20.3	4.4	7	1				100-0	12.

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 NATRONA CO/CASPER MY 73-81 0600-0800

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.1	1.0	1.0	• 7	.1							3.9	7.
NNE	• 2	1.2	1.2	1.1		2	1					4.1	9.
NE		1.5	1.2	•2								2.9	
ENE		1.0	. 9	.2						Ĺ		2.1	_1.
Ę	• 1	. 9	. 5	.1								1.6	6.
ESE	• 1	• 5	. 2									. 9	5.
SE		• 2	• 1									. 4	5.
382			.1									• 1	
S		• 5	• 1									.6	
SSW	. 2	. 1	• 2	3.2	5.0	3.4	5	1				12.8	19.
sw	•1	1.2	2.1	17.1	13.2	5.2	,5					39.5	16.
wsw		1.2	7.9	5.8		•5	1					15.9	10.
w	• 1	1.8	3.3	2.7	. 2							8.1	9.
WNW		. 9	1.6	• 1								2.6	_7.
NW		. 9	. 4	• 2								1.5	7.
NNW	• 5	1.0	.5	•1								2.1	5.
VARBL													
CALM	$\supset <$	><	$\supset \subset$	><	\times	> <	><	><	><	$\supset <$	><	1.1	
	1.6	14.7	21.3	31.7	19.0	9.4	1.2	.1				100-0	13.

TOTAL NUMBER OF OBSERVATIONS

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AID WEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569"	NATRONA CO/CASPER MY	73-81 YEARS	DEC BOATH
		ALL WEATHER	0900-1100 House (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	.4	1.1	.7	. 4	•1	• 1						2.8	8
NNE	• 1	1.2	2.3	1.6	. 6							5.9	9.0
NE	. 4	1.0	. 7	. 4								2.5	6.1
ENE		• 6	• 6	.6								1.8	9.
ŧ	•2	. 4	.7			***************************************						1.3	7.0
ESE	.1	• 2	.4									.7	7.0
SE		. 4										.4	5.
SSE	• 1	• 5	• 1									.7	5.0
3	.1	• 5	• 2									.9	4.
ssw	•1	• 1	• 5	2.7	6.4	4.9	• 2	•1	•1			15.2	19.
sw		. 4	1.5	12.6	17.4	10.8	2.3					45.0	18.6
wsw	•1	.9	4.0	4.8	1.2	.5	2					11.8	12.
w	. 2	1.0	1.5	1.7	. 2	1					-	4.8	10.6
WNW		. 7	1.1	. 6		1						2.6	9.3
NW	.1	1.1	.2	. 2								1.7	6.
NNW		• 2	.7	.1								1.1	8.0
VARBL													
CALM	>>	> <	\times	\bigvee	><	\times	\times	X	\geq	\searrow	>	.9	
	2.1	10.3	15.4	25.7	26.0	16.5		1	.1			100-0	15.7

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM AR 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

()

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569D	NATRONA CO/CASPER MY	73-81	DEC
		EATHER	1200-1400 BOURS (LS.T.)
	CO	ROITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• Î	. 7	• 2	.8								1.9	8.9
NNE		• 5	2.2	1.2	. 6							4.5	10.7
NE		1.2	2.2	.5								3.9	7.7
ENE		. 2	1.2	1.0								2.4	9.7
E		.7		. 4	•1							1.5	8.7
€S€		1.2	. 4									1.6	5.6
SE		. 4										.4	4.7
328		• 2										.2	9 a D
5	•2	. 2	• 1	•1								. 7	5.5
\$5W		• 2	• 5	2.5	5.4	4.2	. 6	.1	.2			13.9	20.0
sw	• 1	. 2	1.1	10.7	16.6	12.7	3.3	.5				45.2	19.8
W5W		. 4	1.2	3.3	2.4	1.0						8.2	15.3
w	• 2	. 6	1.6	4.8	1.6	- 1						9.0	13.2
WNW		• 5	1.1	.6	. 5							3.0	12.6
NW	• 2	. 1	. 4	. 4		1						1.2	10.0
NNW	•1	1.0	- 6	. 4	•1							2.2	7.4
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\ge $	\times	$\ge \le$	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	\times	$\geq \leq$.2	
	1.1	8.5	13.0	26.6	27.4	18.5	3.9		.2			100.0	16.3

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72 569 3	NATRONA CO/CASPER WY	73-81		DEC
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		<u> 1500-1700</u>
		CLASG		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	•1	• 6	1.4	. 4								2.5	8.2
NNE		1.4	2.1	3.1	• 1							6.7	10.0
NE		1.7	1.5	.7								9.0	7.6
ENE		• 2	•1	• 5								.9	10.1
E	•1	. 9	2.0	• 6	. 2							3.8	8.7
ESE		• 5	.6	.1								1.2	7.1
SE			• 1									.1	8.0
SSE		• 1										.1	6.0
5		.1			.1							•2	12.0
55W	•1		.7	3.7	5.2	2.3	.1					12.2	17.8
sw	.1	. 7	2.6	15.4	10.1	5.8	1.5	. 4				36.7	16.9
wsw	•1	1.0	5.8	4.6	2.7	1.4	• 2					15.8	13.4
w	• 2	1.0	3.7	3.1	.7	•1	•1					9.0	10.8
WNW	•		.9	1.0	. 5	.1						2.5	13.1
NW	.1	• 5	. 6	.2	•2				1			1.7	
NNW	.1	.6	1.0	.1	• 2							2.1	4.9
VARSL												1	
CALM	\searrow	\times	\times	\mathbb{X}	> <	> <	\times	\times	\times	\searrow	\times	•5	
	1.1	9.4		33.6	20.2	9.4	2.0					100-0	13.9

TOTAL NUMBER OF OBSERVATIONS

USAFETAC PORM | 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

()

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569D STATION	NATRONA CO/CASPER MY	73-81 YEARS	DEC BONTH
		ALL WEATHER	1800-2000 HOURS (L.S.Y.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	31 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥ 56	*	NEAN WIND SPEED
N	. 4	1.2	1.7	.1						i		3.4	6.9
NNE		1.5	1.4	1.1	•1	.4				,	I	4.4	9.9
NE	. 2	1.6	• 5	1.6	-1					<u></u>	<u> </u>	4.1	8.7
ENE	-1	. 7	1.6	. 6							I	3.2	8.7
Ę	.2	1.4	1.1	. 4	• 2							3.3	7.9
ESE		•6	• 5	. 4							Ĭ	1.5	8.1
SE		. 4	• 1							L		. 5	5.5
SSE		• 1										1	5.0
S	• 1	. 2	• 1							i		.6	-1.1
ssw		• 1	•2	3.8	4.3	1.2	•2					10.1	18.0
SW	ر 1	.7	4.5		11.9	4.3	• 5					36.9	15.8
wsw		1.1	7.1	6.1	1.1	.5	. 4	•2				16.6	12.2
w		1.8	4.8	.7								8.1	9.1
WNW	• 2	1.1	.9	.6	.1							2.9	_4.3
NW	.2	• 7	1.0									2.0	6.3
NNW		• 7	.7									1.5	_6.5
VARSL													
CALM	$\geq < 1$	> <	$\geq \leq$	\times	$\geq \leq$	$\geq \leq$	> <	\times	> <	\geq	$\geq \leq$.9	
	1.7	14.1	26.3	30.2	18.4	6.9	1.1	. 4				100-0	12.6

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569	NATRONA	CO/CASPER MY	73-81	0£C
STATION	*	STATION NAME	YEARS	MONTH
			ALL WEATHER	2100-2300
			CLADS	HOURS (L.S.T.)
			CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	•1	• 6	•6	•2	.1	. 4						2.1	10.8
NNE	• 1	1.1	.7	.7	. 4	•1						3.2	9.6
NE	• 2	1.0	1.1	• 9								3.2	7.8
ENE	.2	1.1	1.1	•5								2.9	7.4
E		1.4	.5	. 5		• 1						2.5	8.3
ESE	• 2	1.2	.1								1	1.6	4.9
SE	•2	• 2	•2									• 7	5.5
SSE	.1	•2										. 4	5.0
5		• 1	•1									.2	6.0
\$5W	•1	• 1	. 4	3.2	5.4	.9	•1	•1				10.3	17.2
SW	i	1.7	3.8	16.8	11.2	4.4	.6					38.6	15.8
wsw	.4	1.8	8.0	5.4	1.8	•2	.5					18.2	11.2
w	•2	1.8	3.4	1.2	. 4	. 4						7.5	9.1
WNW	. 4	1.2	.9									2.5	6.2
NW	•1	1.1	1.4	. 4								2.9	7.6
NNW	•1	1.2	1.0	•2								2.6	6.7
VARBL													
ÇALM	><	> <	>>	\times	\times	\times	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$.6	
	2.7	16.1	23.3	30.1	19.3	6.5	1.2	.1				100.0	12.5

SHOITAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIA HEATHER SERVICE/MAC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

725690 STATION	NATRONA CO/CASPER MY	73-81 YEARS	DEC
		NEATHER CLASS	HOURS (L.S.T.)
	- Cr	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 · 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	• 2	1.2	1.1	• 5	.1	.1	. n					3.2	8.2
NNE	• 1	1.1	1.4	1.2	. 3	•1	•0					4.3	
NE	• 2	1.3	1.1	.7	•0							3.3	7.7
ENE	• 0	.7	. 9	. 4	•0							2.1	8.1
E	• 1	• 9	• 7	. 3	•1	•0						2.1	7.7
ESE	.1	. 6	. 4	•1								1.1	6.3
SE	•0	. 3	•1									. 4	5.2
SSE	•0	. 2	•0	• 0								. 3	5.9
5	• 1	. 3	• 1	.0	• 0	•0						.5	5.6
SSW	•1	• 2	.6	3.2	5.3	2.9	. 4	•1	•0			12.7	18.5
sw	•1	. 9	2.8	15.2	13.2	6.5	1.2	• 1				40.1	17.1
WSW	.1	1.1	6.1	5.3	1.5	.6	•2	•0				14.8	11.9
w	• 2	1.5	3.1	2.2	. 6	. 2	.0					7.7	10.1
WNW	• 1	. 8	1.0	.5	.1	•1						2.6	9.2
NW	• 2	. 8	.7	• 2	.0	•0						1.9	7.4
NNW	•2	1.0	. 7	•1	• 0							2.0	6.6
VARBL													
CALM	><	$\geq \leq$	> <	$\geq \leq$	><	$\geq \leq$	><	$\geq <$	$>\!\!<$	$\geq \leq$	$\geq <$. 9	
	1.9	12.8	20.7	30.0	21.2	10.4	1.8	2	ם			100.0	13.6

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH JEAFETAC ALS WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

77569	NATRONA CO/CASPER WY	73-81	YEARS	ALL MONTH
STATION		ALL WEATHER	12413	ALL
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	WEAR WINE SPEEC
N	3 i	1.7	1.6	. 9	2	.1	• 0	.0				4.9	8.
NNE	• 2	1.7	2.2	1.9	• 5	1	•0	.0				6.5	9.
NE	• 2	1.3	1.7	1.0	1	.0						4.3	8
ENE	-1	1.0	1.3	. 7	. 1	0.						3.2	8
E	•2	1.4	2.0	1.4	. 3	•0						5.2	9
ESE	.1	• 7	. 8	. 3	0.	.0	.0					2.1	7.
SE	• 1	• 7	• 3	• 1	• 0	•0						1.2	6
SSE	•1	.6	• 3	•1	.0	.0						1.1	6
S	•2	.7	•6	. 4	.1	•0	. 0					1.9	
SSW	•1	. 8	1.7	4.1	3.4	1.4	• 3	•1	•0	.0	· · · · · · · · · · · · · · · · · · ·	11.9	15
5W	•2	1.2	3.9	8.7	5.2	2.1	. 4	•0	•0			21.7	14
wsw	. 3	2.0	6.1	3.9	1.1	• 5	• 1	.0				14.1	10
w	.4	2.4	3.3	2.2	. 8	.3	.0					9.5	10
WNW	• 2	1.5	1.2	.8	• 3	.1	•0					4.1	
NW	•2	1.5	1.1	.5	.1	•0	•0					3.5	7
NNW	•2	1.5	1.2	.5	•1	•0	.0	•0				3.5	7
VARBL													
CALM	$>\!\!<$	\times	\times	\times	\times	\times	\times	\times	\times	\times	\geq	2.4	
	3.0	20.6	29.3	27.7	12.4	4.6		.1	0	• D		100.0	11

TOTAL NUMBER OF OBSERVATIONS 77088

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLERAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72569C NATRONA CO/CASPER WY 73-81
STATION STATION NAME INSTRUMENT
CLASS ALL
HOURS (L.S.T.)

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE.

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

	3.4	21.7	33.7	31.4	7.1	. 9	.1					100.0	9.
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\times	$\geq \leq$	$\geq \leq$	\times	$\geq \leq$	1.6	
VARBL													
NNW	• 2	1.7	1.6	1.2	. •	•0	•					5.2	9.
ИW	• 2	1.0	. 8	. 4	.0							2.4	7.
WNW	• 2	1.0	. 7	.5	.1	.1						2.6	
w	• 3	1.4	. 9	.7	•1	•0	.0					3.4	7.
wsw	. 4	1.1	1.1	. 3	•1							3.0	7.
sw	• 2	. 8	• 6	. 3	- 1	• 0						1.9	8.
ssw	.1	<u>.</u> 4	. 4	.3	.0	.0	•0	.0				1.3	9.
5	•1	• 3	• 1	• 0	• 0							•5	6,
SSE	•1	• 2	• 1		•0							.5	5.
SE	• 1	• 6	• 1	.0								.8	5.
ESE	.1	1.0	1.0	.2						1		2.3	7.
ŧ	• 2	2.0	3.2	3.1	. 9	•0						9.5	10
ENE	• 2	1.7	3.4	3.2	. 5	•0						9.0	10
NE	• 2	2.4	6.2	5.7	. 6							15.1	10
NNE	• 3 :	3.2	8.7	11.2	2.8	. 4	• 1				,	26.8	
N	.4	3.1	4,8	4.1	1.4	•2	• C	.0				14.1	10.
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	. *	MEAN WIND SPEED

TOTAL NUMBER OF OBSERVATIONS

523

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

?

1

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING							VIS	SIBILITY (S	ATUTE MI	LESj						
(FEET:	- - 10	ه≥ ه	≥ 5	≥ 4	≥ 3	≥ 2 1/2] ≥ 2	21%	≥ 1 1/4	≥ 1	≥ ¾	≥ %	≥ y ₂	≥ 5/16	≥ 1/4	≥ 0
NC CEILING	· 			\sim			\bigcirc						<u> </u>	\sim		
						Ţ	<u> </u>	ļ				\sim	\sim	Í		\simeq
≥ 1800 ≥ 1500			,		91.0		1								l	92.6
≥ 1200 ≥ 1000					i		i I									
≥ 900 ≥ 800					 i		!									
≥ 700 ≥ 600					i		-									
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200							(
≥ 100 ≥ 0					95.4		96.9			98.3						100.0

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed \geq 0. For instance, from the table: Ceiling \geq 1500 feet = 92.6%. Ceiling \geq 500 feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite \geq 0. From the table: Visibility \geq 3 miles = 95.4%. Visibility \geq 2 miles = 96.9%. Visibility \geq 1 mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of \geq 1500 feet with \geq 3 miles, subtracted from 97.4 read from the table at the intersection of \geq 500 feet with \geq 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling \geq 500 feet with visibility \geq 1 mile, but < 3 miles; or ceiling \geq 500 feet, but < 1500 feet with visibility \geq 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

GLORAL CLIMATOLOGY BRANCH JSAFETAC ATE WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY 725690 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0000-0200

CE SING.							++811	Bri * - 514	TUTE MILE	4						
:46.	≥12	≥6	> ·	2.4	23	22.	37	2	21.	2	2 •	٤٠	:	25 %		20
THE CHINE			60.0													
2.2000	64.9	65.3	65.3	65.3	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 18000	65.0	65.4	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
± 5000	65.0	65.4	65.4	65.4	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	66.7	66.4	66.4	66.4	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 1000	68.1	68.4	68.4	68.4	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ '0000€	71.2	71.6	71.6	71.6	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
£ 9000	72.1	72.5	72.5	72.4	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1.	73.1	73.1
≥ 8000	72.3	72.7	72.8	72.9	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
2 7000	73.3	73.7	73.8	73.9	74.4	74.4	74.4	74.4	74 . 4	74.4	74.4	74.4	74 . 4	74.4	74.4	74.4
≥ 5000	75.1	75.5	75.6	75.7	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
5000	76.1	76.5	76.6	76.7	77.Z	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
3 4500	76.9	77.3	77.4	77.5	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4000	77.5									79.1					79.1	
2 3500	78.0	78.8	79.1										79.7	79.7	79.7	79.7
2 3000	79.Z	80.3	80.9	81.1	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
> 2500	80.1	81.3	81.9	82.3	82.8	82.4	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
2 2000	81.1	82.8	83.6	84.3	84.8	84.8	85.0	85.D	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
1800			83.9													
± 150c	81.4	83.5	84.7	85.8	86.5	86.8	67.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
2 200	92.2	84.6	86.2													
* 1000	82.2	85.d	86.5	87.7	88.7	89.2	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
900	82.2	85.2	86.9	88.3	89.4	90.2	90.9	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
2 800	82.2	85.4	87.3													
2 70.	82.2									94.5						
≥ 600	82.4	86.3	48.1	89.4	92.1	93.0	93.8	95.4	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1
500	82.5	86.5	88.3							97.D						
2 400	82.8	87.0	89.1	90.7	93.2	94.3	95.1	96.8	97.1	97.9	98.2	98.2	98.2	98.2	98.2	98.2
300	83.0	87.6	89.8	91.4	93.9	95.0	95.9	97.6	97.8	98.7	99.0	99.0	99.0	99.0	99.0	99.0
± 200	83.0	87.7	89.9													
100			89.9													
1 2 0	83.0		89.9	1				1		,					- 1	

73-81

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC POLOS 0+14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

72569' NATRONA CO/CASPER MY 73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

0300-0500

827

CERNS.							√ S/I	B141"+ ST4	TUTE M-LE	5						
FEET	≥10	26	≥5	≥ 4	≥ 3	≥2.	27	≥	≥' •	2	≥ .	≥ ,	2	≥5 16	2.	≥0
NO FEIGNO 2 20000	60.3	61.2			61.4		61.5									
≥ 18000	55.7	66.6	66.7	66.9	66.9	66.9	67.0	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 180.0	65.7	66.6	66.7		66.9		67.0									67.1
≥ 14000 ± 200a		66.9		7 7 7			67.2			1				67.4	67.4	67.4
F	70.6	71.6	68.2	71.8	68.3	71.8	68.4		71.9		72.1	58.5	72.1	72.1	72 1	72.1
± 10000 ≥ ≥000	71.2		72.3	72.4	72.5		72.6				72.7					
> 8(x)c		73.6	73.8		73.9	1	74.0				74.1		74.1	74.1	79.1	74.1
3 70.0	74.7	75.8	75.9	76.1	76.1		76.2				76.3	76.3	76.3	76.3	76.3	76.3
÷ 6000	75.6	76.8	76.9	77.0	77.0	77.0	77.1	77.1	77.1	77.3	77.3	77.3	77.3	77.3	77.3	77.3
2 5000	76.4	77.6	77.9	78.0	78.Q	78.0	78.1								78.2	78.2
2 4590	76.5		78.1		78.2			,	,	,			78.5		78.5	
4000	1	78.5		1			79.1									
2 3500		79.4			. 1	- 1	80.Z	- 1	,			- 1				
3 3000	87.2	81.5					84.2							82.6	82.8	82.8
± 2500 ± 2000	80.7		84.6		85.6	85.4				86.0				86.1	84.1	86.1
80C	80.8					86.2	1				86.6	86.6		86.7	86.7	86.7
2 SUC	81.1	85.1				87.8					88.1	88.1		88.3	88.3	88.3
2 12 LX	82.3	86.9			89.7	89.7						90.3	90.3	90.4	90.4	90.4
2 1000	82.7	87.3	88.4	89.8	90.3	90.4	90.8	91.2	91.2	91.3	91.3	91.3	91.3	91.4	91.4	91.4
900	82.7	87.7	88.8	70.2	90.8	90.9	91.3	92.0	92.0	92.1	92.1	92.1	92.1	92.3	92.3	92.3
≥ 800	82.8	88.1	89.6	91.3			93.2					94.7	94.7	94.8	94.8	94.8
≥ '∞	32.8		1111	- 1	92.7		93.3		7 1	1		94.8	1: 1	94.9	94.9	94.9
\$ 90X.	83.0		90.3		93.3							96.3	96.3	96.4	96.4	96.4
2 500		89.2		92.5			94.6	1		!		-,	,		-1	
2 400	83.2			92.7	94.1		94.9		3			1		1	1	
2 300	83.2		91.3	93.0		94.9	,			i	1	i	99.0	75.7	99.7	75.7
<u></u>	83.2		. 1	- 1		1	95.8							90.8	00.2	99.4
≥ 00 ≥ (89.6												99.8		,

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 64 0-14-5 (OL A) merious editions of this form are desoute

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATE MEATHER SERVICE/MAC

NATRONA CO/CASPER MY

2

CEILING VERSUS VISIBILITY

72569~ PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

£ .: No.							V151	BitiTY 5'A	Tute Mile	5						
FEE	210	26	≥ 5	<u>:</u> 4	23	22:	23	21.	≥:.	٤١	2.4	≥ ,	≥ :	≥5 16	2.	≥0
NO CERRY	53.1	53.5	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 200k/C	61.8	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 18000	61.8	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 16000	61.8	62.3	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 140,00	62.8	63.3	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 1,0 N	65.2	65.6	65.9	65.9	65.9	65.9	65.9	65.9	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 1000€	69.8	70.4	70.7	70.7	70.7		70.7		70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ ¢(xk	71.0	71.9	72.3	72.3	72.3		72.4			72.6		72.6	72.6	72.6	72.6	72.6
≥ 8000	72.6	73.5	73.9	73.9	73.9	73.9				74.2		74.2	74.2	74.2	74.2	74.2
≥ 2000	75.3	76.2	76.6	76.6	76.6	76.6				76.9		76.9				
≥ 6000	77.5	78.4	78.6	78.8	78.8	78.8	78.9	78.9	78.9	79.1	79.1	79.1	79.1	79.1	79.1	79.1
.* 50nc	79.4	80.2	80.6	80.6	80.6		80.7	80.7				81.0	81.0		81.0	81.0
≥ 4500	80.6	81.7	82.1					82.3	82.3			82.6		82.6	82.6	82.6
2 4000	81.2	82.6		83.1			83.4							83.7		
≥ 3500	82.3	84.0	84.4	84.5	84.7	84.8	84.9	84.9	84.9	85.2	45.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	83.3	85.2	85.8	86.Q	86.1	86.3	86.4	86.4	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 250°	83.9	85.9	\$6.5	86.7	,		87.4		87.5	67.7	87.7	87.7	87.9	87.9	87.9	87.9
≥ 2000	84.2	86.3	87.0	87.2	87.6	87.7	88.0				88.5	88.5	88.6	88.6	88.6	88.6
2 1800	84.Z	86.4	87.2	87.5	88.0	88.1	88.5	88.7	86.7	89.0	89.0	89.0	89.1	89.1	89.1	89.1
15/X	84.3	86.7	47.7	88.1	88.8	89.1	89.7	89.9	89.9	90.2	90.2	90.2	90.3	90.3	90.3	90.3
2 204	85.2	88.0	89.0	89.3	90.1	90.3	91.0	91.3	91.4	91.8	91.8	91.8	91.9	91.9	91.9	91.9
3 '000	85.5	88.3	89.4	89.9	90.6	91.2	92.0	92.5	92.8	93.1	93.1	93.1	93.3	93.3	93.3	93.3
· >00	85.5	88.3	89.4	89.9	90.9	91.3	92.1	92.6	92.9	93.3	93.3	93.3	93.4	93.4	93.4	93.4
.≥ BUC	85.5	88.6	90.2	90.8	91.9	92.3	93.3	94.4	94.6	95.1	95.2	95.Z	95.3	95.3	95.3	95.3
2 70t.	85.5	88.7	90.3	90.9	92.0	92.4	93.4	94.5	94.7	95.2	95.3	95.3	95.5	95.5	95.5	95.5
≥ 60C	85.5	89.0	90.6	91.2	92.3	92.6	93.6	95.0	95.2	96.0	96.2	96.2	96.3	96.3	96.3	96.3
500	85.5	89.0	90.6	91.2	92.3	92.6	93.6	95.D	93.2	96.1	96.3	96.3	96.4	96.4	96.4	96.4
2 400	35.5	89.1	90.8	91.5	92.6	93.0	94.1	95.6	95.8	96.9	97.2	97.2	97.4	97.4	97.4	97.4
3tX	85.5	89.1	90.8	91.8	92.9	93.5	95.0	96.6	96.8	98.D	98.4	98.4	98.7	98.7	98.8	98.8
200	35.5	89.1	90.8	91.8	92.9	93.5	95.1	96.7	76.7	98.4	99.8	99.0	99.3	99.3	99.4	99.4
2 100	85.5	89.1	90.8	· • · -,	92.9	93.5	95.2	96.8	97.1	98.5	99.1	99.1	99.4	99.4	99.9	100.0
1 3 3	85.5	89.1	90.8	91.8	92.9	93.5	95.2	96.8	97.1	98.5	99.1	99.1	99.4	99.4	99.9	100.0

73-81

TOTAL NUMBER OF OSSERVATIONS...

USAF ETAC 1000 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725697

2

NATRONA CO/CASPER WY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0900-1100

CEUNG							v/\$/	BI, "Y 514	AT, TE MILE	5						
. ŁEE1	≥10	≥ 6	≥5	≥ 4	≥ 3	≥2.	≥2 .	≥ .	≥1.	≥1	2	≥ ,	2	25 15 1	2 .	≥0
NO CEUNG	54.9	55.2	55.4		55.8	55.8	55.8	55.8	55.9	55.9	55.9	55.9	55.9	56.0	56.0	56.0
. ≥ 20000	64.3	64.6	64.8	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6
≥ 18000	64.3	64.6			65.2	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6
≥ 16000	64.5	64.7	65.0	65.3	65.3	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.7	65.7	65.7
≥ 14000	66.4	66.7	66.9	67.3	67.3	67.4	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6
≥ 72000	70.7	70.9	71.2	71.6	71.6	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.9	71.9	71.9
≥ 10000	75.3	75.6	75.8	76.2	76.2	76.3	76.3	76.3	76.4	76.4	76.4	76.4	76.4	76.6	76.6	76.6
≥ 9000	78.6	79.1	79.6	80.0	80.0	80.1	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5
≥ 8000	80.1	80.7	81.3	81.7	81.7	81.8	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.2	82.2	82.2
≥ 7000	81.7	82.4	83.0	83.4	83.4	83.5	83.6	83.6	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9
≥ 6000	82.8	83.5	84.1	84.5	84.5	84.6	84.7	84.7	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0
≥ 5000	84.1	85.0	85.4	86.Q	86.1	86.2	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.6	86.6	86.6
≥ 4500	85.0	86.0	86.6	86.9	87.1	87.2	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5
≟ 4000	85.7	86.7	87.4	87.8	87.9	88.0	88.2	88.2	88.3	E.88	88.3	88.3	88.3	88.4	88.4	88. 4
≥ 3500	86.2	87.2	87.9	88.3	88.4	88.5	88.6	88.6	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9
2 3000	86.4	87.4	88.3	88.6	88.8	88.9	89.0	89.1	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4
≥ 2500	86.4	87.8	88.9	89.3	89.5	89.6	89.7	90.0	90.1	90.2	90.2	90.2	90.2	90.4	90.4	90.4
2000	86.8	88.4	89.5	89.9	90.1	90.2	90.5	90.7	90.8	91.1	91.1	91.1	91.1	91.2	91.2	91.2
≥ 1800	86.8	88.4	89.7	90.1	90.6	90.7	91.2	91.5	91.6	91.8	91.8	91.0	91.6	91.9	91.9	91.9
1 2 1500	86.9	88.8	90.2	90.6	91.2	91.5	92.1	92.4	92.6	92.9	92.9	92.9	92.9	93.0	93.0	93.0
≥ 1200	87.5	89.4	90.8	91.7	92.6	92.4	93.5	93.9	98.0	94.4	94.5	94.5	98.5	94.6	94.4	04.4
≥ 1000	87.7	89.5	91.0	91.8	92.8	93.d	94.0	94.4	94.5	95.1	95.8		05.4	95.5	95.5	95.5
·	87.7	89.5	91.0	91.8	92.8	93.0	94.1	94.5	98.6	95.2	95.5	95.5	08.8	05.4	98.4	95.6
≥ 900 ≥ 800	87.7	89.5	91.0	92.1	93.2	93.4	98.6	95.0	95.1	96.0	24	94. 3	04 1	06.6	94 5	94 5
	87.7	87.5	01.7	92.1	93.2	93.4	94.6	85.0	98. S	94.7	04.8	64. 1	04.1	94 8	96.5	94.5
≥ 700 ≥ 600	87.7	89.5	91.0	92.2	93.3	93.5	95.0	05.4	95.4	96.0	97 7	97 7	97 7	97.2		
<u> </u>	87.1							73.0	77.0	70.0	7/0/	7101	97.7	7/00	97.8	97.8
≥ 500 ≥ 400	: 1	89.5	91.0	92.3	93.5	93.8	95.5	70.1	70.3	7103	75.4	75.2	75.2	75.3	75.3	98.3
<u> </u>	87.7		, , , , ,	92.4	93.8	94.0	95.7	70.3	70.0	7/00	75.7	75.3	70./	70.5	75.5	70.0
≥ 300	87.1	89.5	91.1	92.6	93.9	94.1	75.8	70.0	76.5	77.7	77.1	77.1	77.5	99.6	77.6	99.6
≥ 200	87.7	89.5	71.1	92.6	93.9	94.1	95.8	75.6	76.5	77.9	77.4	77.4	99.8	77.7	77.7	99.9
> 100	87.7	89.5	1	92.6	93.9	74.1	95.8	76.5	76.8	77.9	97.5	77.5	77.7	100.0		100.0
2 0	87.7	89.5	91.1	92.6	93.9	94.1	95.8	96.6	96.0	97.9	99.5	99.5	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 101.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 5690

2

NATRONA CO/CASPER WY

73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEUNG		,					visi	BILITY STA	ITUTE MILE	S	-					
+164		≥6 .	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	<u>2</u>) .	≥1.	≥ 1	2 a	≥:. ;	≥ .	≥5 16	2.	≥0
NO CEILING	56.4	57.1	,	57.1	57.1	57.1	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	69.2	79.Q	70.0	70.Q	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 18000	69.2	70.0	70.0	70.0	70.2	73.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 16000	69.2	70.Q	70.0	70.0	70.2	70.2	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	
≥ 14000	70.7	71.4	71.4	71.4	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9		71.9	71.9
≥ 12000	75.2	75.9	75.9	75.9	76.1	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 10000	77.4	78.1	78.1	78.1	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 9000	80.8	81.6	81.6	81.6	81.8	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 8000	82.2	82.9	82.9	82.9	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 7000	82.8	83.7	83.7	83.8	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 6000	84.1	84.9	84.9	85.0	85.3	85.3	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 5000	85.2	86.0	86.0	86.2	86.4	86.4	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4500	85.5	86.4	86.4	86.5	86.8	86.8	87.0	87.D	87.0	87.0	87.0	87.0	87.0	87.D	87.0	87.0
≥ 4000	86.2	87.0	87.d	87.1	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 3500	86.5	87.4	87.6	87.8	88.0	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	86.3	88.3
2 3000	87.d	98.0	88.6	88.9	89.2	89.2	89.5	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	87.1	88.1	88.8	89.0	89.5	89.5	89.9	90.2	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2000	87.8	88.9	89.7	90.1	90.6	90.6	91.1	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2 1800	87.9	89.0	89.9	90.2	91.0	91.0	91.5	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1500	88.5	89.7	90.7	91.1	92.1	92.1	92.6	93.4	93.4	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 120C	88.8	90.0	91.3	92.0	93.1	93.1	93.8	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2 1000	89.0	90.2	91.6	92.3	93.7	93.8	94.8	95.8	95.8	96.4	96.4	96.4	96.4	96.4	96.4	96.4
, 900	89.1	90.4	91.7	92.5	93.8	93.9	95.1	96.3	96.3	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	89.1	98.4	91.8	92.4	93.9	94.1	95.4	96.8	96.8	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 700	89.2	90.6		92.8	94.2	94.3	95.7	97.0	97.0	97.8	98.0	98.0	98.0	98.0	98.0	98.0
≥ 600	89.2	90.6		92.8	94.2	94.3	95.7	97.5	97.5	98.6	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	89.2	90.6		92.8	94.2	94.1	95.7	97.7	97.7	99.3	99.8	99.8	99.9	99.9	99.9	99.9
2 300	89.2			92.8	94.2	94.3	95.7	97.7	97.7	99.3	99.A	99.8	99.9	99.9	99.9	99.9
	89.2	90.6			94.2	94. 1	95.7	97.7	97.7	99.3	99.9		00.0	100.0		
2 300 2 200	89.2				94.2	94.3	95.7	97.7	97.7	99.3	99.9			100.0		!
	89.2					94.3		97.7	97.7	99.3	99.9			100.0		
i ≥ 100 i ≥ j	89.2					94.3			97.7					100.0		C F
	0704	70.0	45.01	76.0	7702	/703	7301	71-1	,,,,,	7743	,,,,,	,,,,,	. 30 . 0			-4010

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 101.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE CHISCLETE

1}

GLOBAL CLIMATOLOGY BRANCH USAFETAC AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725697

2

NATRONA CO/CASPER WY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

ETUNG							viSi	BILLTY STA	ITUTE MILL	ES						
FEE'	≥10	≥ 6	≥5	≥ 4	≥3	≥2.	≥ 2	≥ .	≥≀.	≥1	≥ 1.	≥ ,	≥ .	اً ه≀ 5 ≤	≥.	≥0
NO CERTING	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	68.0	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	68.0	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	68.1	68.3	68.4	68.6	68.6	68.6	68.6	68.6	68.6	66.6	68.6	68.6	68.6	68.6	68.6	48.6
≥ 1400X	70.6	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
2 1200€	75.9	76.3	76.4	76.5	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
10000	79.8	80.2	80.3	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 9000	81.0	81.4	81.5	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 8000	82.0	82.3	82.5	82.7	82.7	82.8	82.8	82.8	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.8
, - 2000	83.4	83.8	83.9	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
2 5000	84.9	85.2	85.4	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2 5000	86.1	86.5	86.6	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 450C	86.8	87.2	87.3	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	67.7	87.7	87.7
, ± 4000	37.2	87.5	87.7	87.9	87.9	884 0	88.0	88.0	88.0	88.0	88.0	88.q	88.d	48.0	88.0	88.0
≥ 3500	87.4	87.6	85.1	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
2 3000	88.0	88.6	89.0	89.5	89.4	90.0	90.0	90.Q	90.d	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	88.6	89.2	89.7	90.2	90.3	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 2000	89.2	90.0	90.4	91.2	91.4	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	90.1	90.9	91.4	92.1	92.5	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1500	90.4	91.3	91.8	92.7	93.1	93.5	93.8	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	90.4	91.4	92.0	93.0	93.5	93.8	94.3	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 1000	90.6	91.7	92.4	93.6	94.2	94.7	95.4	95.8	95.9	96.7	97.0	97.d	97.0	97.0	97.0	97.0
> 900	90.6	91.7	92.4	93.6	94.2	94.7	95.4	95.9	96.0	96.9	97.1	97.1	97.1	97.1	97.1	97.1
2 800	90.7	91.8	92.6	93.6	94.4	95.d	95.8	96.4	96.5	97.9	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	90.9	92.0	92.9	94.1	94.7	95.3	96.0	96.6	96.7	98.2	98.8	98.8	98.8	98.8	98.8	98.8
≥ 800	91.1	92.1	93.0	94.2	94.4	95.4	96.1	96.7	96.9	98.3	99.2	99.2	99.3	99.3	99.3	99.3
500	91.1	92.1	93.0	94.2	94.8	95.4	96.3	96.9	97.0	98.5	99.4	99.4	99.8	99.8	99.8	99.8
400	91.1	92.4	93.2	94.4	95.0	95.6	96.5	97.1	97.2	78.8	99.6	99.6	100.0	100.0	100.0	100.0
≥ 300	91.1	92.4	93.2	94.4	95.0	95.6	96.5	97.1	97.2	98.8	99.4	99.6	100.0	-	100.0	100.0
≥ 200	91.1	92.4	93.2	94.4	95.0	95.4	96.5	97.1	97.2	78.4	99.6	99.6	100.0	100.0	100.0	100.0
t-,	91.1	92.4	1	94.4	95.0	95.4	96.5	97.1	97.2	78.1	99.4	99.6	100.0		100.0	
1 3 %	91.1	92.4	!	94.4	95-0	95.4	96.5	97.1	97.2		99.6	99.4			100.0	
L																

TOTAL NUMBER OF OBSERVATIONS

827

USAF ETAC 101 64 0-14-5 (OL A) metrious tortio

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

77569

2

NATRONA CO/CASPER MY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CERNO							VIS	BILITY STA	NUTE MILE	:5						
' FEET '	210	≥ 6	≥ 5	≥ 4	: د <u>ځ</u>	≥2:	≥ 2	≥	≥!.	≥ ′	≥ 4	2:,	2 .	25 16	2 .	≥0
NO CEIUNG	58.4	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.9	58.9	58.9	58.9	58.9	58.9	59 . D
2 20000	65.5	66.Q	66.0	66.Q	66.Q	66.Q	66.0	66.0	66 . D	66.3	66.3	66.3	66.3	66.3	66.3	66.4
≥ 18000	65.5	66.0	66.Q	66.d	66 . Q	66.0	66.Q	66.0	66 . C	66.3	66.3	66.3	66.3	66.3	66.3	66.4
≥ 15000	65.5	66.q	66.Q	66.Q	66.0	66.0	66.0	66.0	66.0	66.3	66.3	66.3	66.3	66.3	66.3	66.4
≥ 14000	66.7	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67 . Z	67.5	67.5	67.5	67.5	67.5	67.5	67.6
≥ 12000	71.9	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.8
≥ 10000	77.2	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	78.0	78.0	78.0	78.1	78.1	78.1	78.2
≥ 9000	78.1	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.8	78.8	78.8	78.9	78.9	78.9	79.D
≥ 8000	78.6	79.0	79.1	79.Q	79.0	79.0	79.0	79.0	79 • Q	79.3	79.3	79.3	79.4	79.4	79.4	79.5
≥ 7000	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	81.1	81.1	81.1	81.2	81.2	81.2	81.3
≥ 6000	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.2	82.2	82.Z	82.3	82.3	82.3	82.4
≥ 5000	82.7	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.5	83.5	83.5	83.6	83.6	83.6	83.7
≥ 4500	83.4	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.6	84.6	84.6	84.7	84.7	84.7	84.8
≥ 4000	84.0	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	85.2	85.2	85.2	85.3	85.3	85.3	85.4
≥ 3500	84.9	85.8	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.6	86.6	86.6	86.7
≥ 3000	86.1	87.0	87.3	87.3	87.7	87.7	87.7	87.7	87.7	88.0	88.0	88.0	88.1	88.1	88.1	88.2
≥ 2500	86.7	87.8	88.2	88.2	88.6	88.6	88.7	88.7	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.2
≥ 2000	87.1	88.2	88.8	88.8	89.3	89.4	89.8	89.8	89.8	90.0	90.0	90.0	90.1	90.1	90.1	90.2
≥ 1800	87.5	88.7	89.3	89.3	89.9	90.0	90.4	90.4	90.4	90.6	90.6	90.6	90.7	90.7	90.7	90.8
≥ 1500	88.0	89.5	90.2	90.4	91.0	91.2	91.6	92.7	92.7	92.9	92.9	92.9	93.0	93.0	93.0	93.1
≥ 1200	88.4	90.Z	91.4	91.8	92.5	92.8	93.4	94.7	94.7	94.9	94.9	94.9	95.1	95.1	95.1	95.2
≥ 1000	88.9	90.7	92.4	93.0	93.9	94.1	95.1	96.4	96.4	97.0	97.1	97.1	97.2	97.2	97.2	97.3
900	88.9	90.7	92.4	93.0	93.9	94.1	95.2	96.5	96.5	97.3	97.5	97.5	97.6	97.6	97.6	97.7
≥ 800	88.9	90.7	92.4	93.Q	93.9	94.1	95.2	96.6	76.6	97.5	97.7	97.7	97.8	97.8	97.8	98.D
2 700	89.0	90.8	92.5	93.1	94.0	94.2	95.3	96.7	96.7	97.7	98.0	98.0	98.1	98.1	98.1	98.2
≥ 600	89.0	90.8	92.5	93.1	94.0	94.2	95.5	97.1	97.1	98.2	98.7	98.7	98.9	98.9	98.9	99.0
≥ 500	89.2	91.0	92.7	93.3	94.1	94.3	95.8	97.3	97.3	98.6	99.0	99.0	99.3	99.3	99.3	99.4
≥ 400	89.3	91.1	92.8	93.4	94.3	94.6	96.0	97.4	97.6	98.8	99.3	99.3	99.5	99.5	99.5	99.6
2 30C	89.3	91.2	92.9	93.5	94.5	94.7	96.1	97.7	97.7	98.9	99.4	99.4	99.6	99.6	99.6	99.8
≥ 200	89.3	91.2	92.9	93.5	94.5	94.7	96.1	97.7	97.7	99.0	99.5	99.5	99.8	99.8	99.8	99.9
≥ 100	89.3	91.2	92.9	93.5	94.5	94.7	96.1	97.7	97.7	99.0	99.5	99.5	99.9	99.9	99.9	100.0
≥ 0	89.3	91.2	92.9	93.5	94.5	94.7	96.1	97.7	97.7	99.0	99.5	99.5	99.9	99.9	99.9	100.0
<u> </u>				1												

830 TOTAL NUMBER OF OBSERVATIONS ___

USAF ETAC CLOS 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

705590 NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEUNG							¥151	BILITY STA	JUTE MILE	<u>c</u>						
FEET	5.6	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥ì.	≥'.	≥: :	2 4	≥ .		≥5 '6	2 . ;	20
NO CEICINO ≥ 20000	58.7	59.0 65.1	59.0	59.0	59.1	59.1	1	59.1 65.4	59.1	59.2		59.2			- 1	2 2 7 7
	64.7		25 7		65.4		65.4	65.4	65.4		65.6	65.6	65.6	65.6	65.6	
≥ 18000 ≥ 15000	64.7	65.1	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.6	65.6	65.6	65.6	65.6	65.4	65.8
2 14000	65.4	65.8		66.1	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.5
2 12000	68.9	69.2	69.4	69.5	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7	69.7	69.7	70.0
≥ 1000€	72.9	73.3	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	74.0
≥ 9000	73.4	73.7	73.9	74.0	74.1	74.1	74.1	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.5
≥ 8000	74.0	74.4	74.5	74.6	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	75.1
≥ 7000	74.8	75.2	75.3	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.9
≥ 6000	75.4	76.8	76.9	77.0	77.4	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.8
2 5000	77.8	78.1	78.3	78.4	78.8	78.8	78.8	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	79.1
≥ 450C	78.1	78.6		78,9	79.2	79.2	79.2	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.9
± 4000	78.6	79.2		79.5	79.9	79.9	79.9	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	
2 3500	79.4	80.1	80.2	80.3	80.6	80.8	80.8	81.0	81.0	81.2	81.2	81.2	81.Z	81.2	81.2	81.4
. 2 300C	81.0		82.2	82.5	83.0	83.0	83.0	83.2	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.6
2500	81.8	82.7	83.2	83.5	84.0	84.0	84 · Z	84.4	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.9
2 2000	83.3	84.2	84.9	85.2	86.0	86.0	86.2	86.3	86.3	86.6	56.6	86.6	86.6	86.6	86.6	86.8
1800	83.3	84.2	1	85.3	86.1	86.1	86.5	50.4	86.4	86.7	56.7	66.7	86.7	86.7	86.7	86.9
2 500	84.4	85.6		87.3	55.4	88.2	88.5	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1	89.4
2 120	85.2	87.1		87.1	90.4	9D'- 5	71.3	91.9	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.6
) 1(y/4	86.1	88.0		90.2	91.7	92.3	93.2	94.1	94.3	74.5	94.5	94.5	34 · 5	94.5	94.5	94.7
900 2 800	86.2	00.7	89.4	90.4	92.2	92.9	93.8	94.9	95.0	95.4	95.4	95.4	95.4	75.7	95.4	
	86.2	88.4	89.4	90.6	92.3	92.9	93.8	95.4	95.2	95.7	95.7	95.7	95.7	95.7	95.7	96.3
± 700 ± 600	86.9	88.5	90.2	91.5	93.0	1	94.6	94.	94.3	04.8	70.1	74.1	96.9	96.9	70.1	97.2
	87.3	89.6		91.8	93.8	94.3	95.4	97.2	97.3	67.0	98.0	98.11	98.2	98.2	98.2	98.8
5 50Ki	87.5	89.9			94.0	94.7		97.4	47.7	98.4	98.5	99.5	98.7	98.7	98.7	98.9
	87.7	70.4	91.3	92.7	94.6	95.4	96.3	08.3	68.4	99.1	99.3	99.3	90.4	90.0	99.A	30.4
2 300 2 200	87.7	90.4	91.3	92.7	94.6	95.4	96.3	98.2	02.2	99.1	99.3	90. 7	99.4	90.4	90.4	99.4
¥	87.7	70.4		92.7	94.6	95.4	96.3	98.2	68.4	00.1	99. T	90. 4	99.5	99.5	00.2	00.4
≥ 100 > 0	87.7			92.7	94.6	95.4	96.3	98.2	100	99.1	99.3	99. 2	99.5		99.6	100.0
		, , , ,	7	7.0	7704		,,,,,		,,,,				,,,,,	,,,,,		

73-81

TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 3.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC Alm Weather Service/Mac

2

CEILING VERSUS VISIBILITY

· ·	NAT	RONA		SPER I				73-	81			r			-	<u></u>	AN
			3	TATION VAN		CENT/			-	OF O		RENCE					<u>LL</u>
	EUNG							V151	BILITY ST	ATUTE MILE	Š.						
	eff.	≥10	≥ 6	≥ 5	≥ 4	≥ 3	2.2	27	.≥1.	≥' .	٠.	2.	2.	3	25 16	2.	≥0
. 7	Elin	57.1	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8
	3 20000	65.5		66.1		66.3							66.5				
	≥ 18000.	65.5	66.q		66.2	66.3						_	66.5	'		1	
	≥ '5000	65.6	66.1	66.2	66.3	66.3							66.5				
	≥ 14000	66.9	67.3	67.4	67.5	67.6		•					67.8				
		70.4		71.0	71.1								71.4		71.4		
	≥ 10000 ≥ 9000	74.3		74.9	75.q								75.3				
			76.4		76.6								76.9 78.0				
	≥ 8000 ≥ 7000	76.8	78.9	77.6	77.7	77.8							79.6		79.6		
		79.7	80.4	80.6	80.7	80.8							81.1		81.1		
	≥ 6000 ≥ 5000	. 1111		1		82.1		,	1	!	,		82.3	- 1			
	≥ 4500°	81.6	82.4		82.7	82.9							83.2				
	± 4000 ± 4000	82.2	83.1	83.3	83.5	83.7			: !		- 1	,	83.9				
-	> 3500	82.8	83.6	84.2	84.3	84.5		84.7					84.8		84.8		
	2 3000	1	85.0		85.8	1 1 1	,			86.3	3	1			86.5	86.5	86.5
	≥ 2500	84.4			86.6	87.0							87.4	87.5	87.5	87.5	87.5
	≥ 2000	85.0	86.6	87.3	87.8	88.2		_1	1	88.7	1	!	1		88.9		1
-	≥ 1800	85.2	86.8	87.7	88.2	88.7	88.8	89.1	89.3	89.3	89.4	89.4	89.4	89.5	89.5	89.5	89.5
	2 1500	85.6	87.5	88.5	89.2	89.8	90.0	90.4	90.8	90.9	91.0	91.0	91.0	91.1	91.1	91.1	91.1
	> 120x	86.3	88.4	89.6	90.5	91.2	91.5	92.0	92.5	92.6	92.8	92.8	92.8	92.8	92.9	92.9	92.9
	E 100€	86.6	88.8	90.1	91.1	92.0	92.3	93.2	93.6	93.9	94.3	94.4	94.4	94.4	94.5	94.5	94.5
	900	86.6	89.0	90.2	91.2	92.3	92.6	93.5	94.3	94.4	94.9	94.9	94.9	95.0	95.0	95.0	95.1
	≥ BU	86.6	89.1	90.5	91.6	92.9	93.3	94.2	95.3	95.4	96.0	96.2	96.2	96.2	96.3	96.3	96.3
-	÷ 700	86.7	89.3	90.7	91.8	93.1	93.5	94.4	95.5	95.6	96.3	96.5	96.5	96.5	96.6	96.6	96.6
	S 900.	86.8	89.6	91.4	92.1	93.4	93.8	94.8	96.2				97.5			97.6	97.6
	2 500°	86.9	89.7	91.1	92.2	93.6	94.1	95.1	96.6	96.7	97.7	98.1	98.1	98.2	98.3	98.3	98.3
	400	87.0	89.9	91.4	92.5	93.9	94.4	95.5		97.1					98.8		
•	300	87.1	90.0	91.6	92.6	94.2				- 1	-		99.2		1	99.4	1
	.00	87.1	90.1	91.6	92.8				1				99.4		99.6		
,	. UX	1	90.1		92.8	,				- 1			99.5		!		1
:	§ 3	87.1	90.1	91.6	92.8	94.3	94.8	96.0	97.5	97.6	98.8	99.5	99.5	99.7	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS ________65

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0

•

GLUBAL CLIMATOLOGY BRANCH JS AFETAC AIR WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

705691

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

3000-0200

VISIBLE THE STATUTE MILES 22 NO FILLS ≥ 1800r ≥ 5000 4.00 · 1 90000 - 700C ≥ 6000 > 4500 3500 3000 2500 2000 1800 ≥ 1800 ± 1500 200 ≥ 1200 ≥ 1200 400 80C 700 600 500 300 200 86.4 90.6 91.7 93.5 95.8 96.1 97.0 98.1 98.4 99.3 99.7 99.9100.0100.0100.0100.0

73-81

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH JSAFETAC AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 5690

2

NATRONA CO/CASPER WY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0300-0500

'E JINE							V (S1)	B107+ 514	itute Mile	4						
-657	217	≥ 6	2.5	2.4	 _: 3	27	2.2	· ·	2	:	2.	≥,	2	€ 5 %	2.	≥ş
NO CERN		61.0														
£ 20000		69.5														
≥ 18000	68.9	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
* 14000	69.3	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
2 14000	70.1	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
₹ 12(# 4)	71.8	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 10000	75.3	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	76.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 8000	77.1	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
<u>≥</u> 7000	78.5	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	79.4	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
3 5990	80.1	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 450C	80.6	81.4	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
2 4000	81.3	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
2 3500	81.8	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 3000	83.3	84.9	85.d	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
250C	84.5	86.2	86.4	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
2 2000	86.1	87.7	87.8	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
2 900	86.1	87.8	88.7	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2 1500	86.2	38.0	88.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2 1200	86.6	89.7	90.1		91.4					91.4						
2 1000	87.0	90.4								92.8						
, 900	87.0	90.6	91.2							93.4						
≥ 800								1		94.7						
> '*(X)'	87.0	91.2				94.7				95.1						
<u>></u> •0€	67.4				,					96.5						
500	87.6		93.2							97.1			97.5			
2 40C	87.6				97.2			–	1	98.5						
	87.6									99.1						
. X	88.0		94.0	1				1	- 1	99.6		- :				
+ 		92.9														
	88.d			- 1		!		- 1		99.6		,				
		, _ ,	1													

USAF ETAC 1.144 0-14-5 (OL A) merious editions of this form are obsolete

GL PAL CLIMATOLOGY BRANCH SEAFETAC ALP NEATHER SERVICE/MAC

NATRONA CO/CASPER WY

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0600-0800

FEB

73-81

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

, ; ,

GLOBAL CLIMATOLOGY BRANCH JSAFETAC AIR MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0930-1100

EIDING							× 50	31,111 514	IT JTE MILE	5						
tEf.	≥ 1/	≥6	÷.	2.4	≥ 3	22	2.7	≥1	2' .	21	2 4	≥ ,		25 15	· ·	≥:
N TENNY	56.2	56.5	56.5	57.0	57.3	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
2 21 MHX.	66.8	67.1	67.1	67.6	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2 1 d . H.	66.8	67.1	67.1	67.6	68.0	68.1	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
2 5 18	66.8	67.1	67.1	67.6	68.0	68.1	68.3	68.3	68 - 3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
* 4,00	67.9	68.1	68.1	68.7	69.1	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2.00	72.2	72.4	72.6	73.1	73.5	73.6	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2 1000	76.4	76.7	77.0	77.5	77.9	78.3	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
vno.	77.2	77.5	77.8	78.3	78.7	78.8	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
> 8(+K)	77.6	77.9	78.2	78.7	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2 20 K	79.4	79.7	79.9	80.5	80.9	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
• 50KA	79.8	83.1	80.3	80.9	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
500€	81.4	81.7	81.9	82.5			83.1			83.1					83.1	83.1
- 450K	81.9	82.3	82.7	83.4		83.9			84.1		+		84.1		84.1	
* 40XX	83.3	84.1	84.6	85.3	1		;		:					1	85.9	
2 3500	83.5	84.7	85.5	86.2			87.1									
2 3006	84.5	85.8	86.6	87.3		- 1	88.4		;			,			88.4	,
2500	85.4	87.0					90.4						90.5		90.5	90.5
2,66	86.3														92.0	
1800		88.6					92.5								92.6	
- 50K	37.6														93.4	
2 - 20K	88.0						93.7		94.0						94.1	
2 1000	88.6		92.2		,			- 1				[95.6	
. 900	89.7						95.4								96.4	
2 80	89.3	91.2				- !									97.1	
700	89.3	91.3		94.1	95.2		96.0		97.1						97.3	
2 500	89.3	91.3		94.2	95.3	1	:		97.5					:	97.7	
	89.6		93.6			95.7			98.0		98.7	98.7		98.7		98.7
.* 50X°	89.6	91.6	1	,		96.1			98.4						99.3	
	89.6		93.7			96.3				99.1					99.7	
: 300 : 200	89.6		93.7					98.4	98.7	99.1	99.7	99.7	- 1	- [99.91	1
			93.7			96.3						99.7			99.91	
• 00				1	,	1		1								
	87.0	A1.6	42.1	42.U	A0.1	70.5	71.2	78.4	78.7	77.1	77.7	77.7	yy.7	77.7	99.91	00.0

TOTAL NUMBER OF OBSERVATIONS ____

747

USAF ETAC 0-14-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AT "EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72569 NATRONA CO/CASPER MY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

E JIN 7							. 50	BILLITY STA	JUTE M.E	5						!
:667	≥ 10	≥ 6	≥ 5	2.4	≥ 3	≥?.	≥ 2	≥).	≥1.	≥1	2.	≥ .	2	25 €	≥.	≥0 ;
NO CEUNIS	57.6	57.8	58.0	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3
₹ 27000	71.3		72.2												72.5	
.₹ -8.9/¥	71.4	72.1	72.4	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.8
* 1 minutes	71.6	72.1	72.5	72.6	72.8	72.8	72.8	72.8	72.8	72.6	72.8	72.8	72.8	72.8	72.8	72.9
≥ 400	72.9	73.4	73.8	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.2
3.000	75.8	76.4	76.8	76.9	77.0	77.Q	77.0	77.d	77.q	77.0	77.q	77.0	77.0	77.d	77.0	77.2
± 1000€	78.2	78.8	79.2	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.5
≥ 900c	79.7	80.2	80.6	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	88.9	80.9	80.9	80.9	81.0
≥ 8000	80.3	81.0	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8
2 7000	80.7	81.4	81.8	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2
2 6000	81.4	82.1	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.9
. 2 5000	83.1	83.7	84.2	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6
≥ 4500	83.8	84.6	85.1	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.6	85.9
± 4000°	84.3	85.1	85.7	86.2	86.3	86.3	86.3	86.3	86.3	86.3	E. 68	86.3	86.3	86.3	86.3	86.5
2 350C	85.1	86.3	86.9	87.6	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.Q
.* 3000	86.5	87.4	E.88	89.1	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.8
<u> 2500</u>	87.1	88.6	89.5	90.4	90.8	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2
2 2000	87.8	89.4	90.3	91.4	91.8	91.9	92.2								92.2	92.3
. 800	88.3	90.2	91.1	92.2	92.6	92.7	93.0	–	1	93.0	93.0	93.0	93.0	93.0	93.0	93.1
≥ 1500	88.7	90.7	92.0	93.2	93.8	93.9	94.2	94.3	94.3		94.3		94.3	94.3	94.3	94.4
2 1700	89.4	91.8	93.5	94.8	95.4	95.5		1		96.4		96.5	96.5	96.5	96.5	96.7
· ≥ ±900	89.6		94.0	95.4	96.0					97.2				97.5		
500	89.6		94.0	95.4	96.0	. 7				97.2			97.5	97.5	1	!
2 800	80.0		94.3	95.6	96.3	96.4				97.5				98.0		
2 700	90.2	92.7	94.6	95.9	96.5	96.7				97.7			98.4		98.4	98.5
. 2 500	90.2	92.7	94.6	95.9	96.5	96.7		97.6		97.7				98.5	98.5	98.7
: 500	90.2	92.8	94.8	96.1	96.8	96.9		97.9			98.8	98.5	99.3	99.3		99.5
<u>:</u> 400	90.2		94.8	96.1	96.8	96.9		97.9			98.8			99.5		99.6
2 300	90.3	93.0	95.0	,	1	97.1		98.0		98.5		98.9	99.6	99.6	99.6	99.7
2 200	90.3	93.0		96.3		97.1										
> '00	90.3		95.Q	96.3		97.1					99.1		99.7			00.0
2 9	90.3	93.0	95.0	96.3	96.9	97.1	97.5	98.0	98.4	98.7	99.1	99.1	99.7	99.7	99.7	00.0

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEIUNG							V151	BILITY STA	TUTE MILE	5						
· FEE: *	≥10	≥ 6	≥5 .	≥ 4	≥3	≥2	2:	≥i	≥'.	2	2 4	≥ ,	≥ .	≥5 16	≥ .	≥0
NO CEILING	54.7 70.0	70.8	55.1 71.1	55.3 71.3	55.3 71.5	55.3 71.5			55.3 71.5	55.3 71.5				55.3 71.5		
≥ 1800C ≥ 1600C	70.1	70.9	71.2 71.3	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6		71.6	71.6
≥ 14000 ≥ 12000	71.7	72.5	72.8 76.5	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2 76.9	73.2	73.2	73.2 76.9	73.2 76.9	
≥ 1000C ≥ 900C	78.9	79.7 81.6	80.0	80.3 82.1	80.4 82.3	80.4 82.3	80.4	80.4	80.4	80.4 82.3	80.4	82.3	80.4 82.3		80.4 82.3	80.4 82.3
≥ 8000 ≥ 2000	82.0 83.2	82.8 84.0	83.1	83.3 84.5	83.5 84.7	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5 84.7	83.5	83.5 84.7
≥ 600€ 500€	83.5	84.3 85.2	84.5 85.5	84.8 85.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9 85.9	84.9	84.9
2 4500 2 4000	84.8 86.0	85.6	85.9 87.2	86.1 87.5	86.3	86.3	86.4	87.7	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 3500 ≥ 3000	86.9	88.0 89.1	88.3	89.6	89.7	88.7	68.6				88.8 90.0	90.0	90.0	90.0	88.8 90.0	90.0
≥ 2500 ≥ 2000	88.8	90.4	90.4	90.6	91.Z 91.7	91.2 91.7	91.3	92.0	91.5	92.0	91.5 92.0		91.5 92.0			92.0
2 1800 2 150c	89.5	91.6	91.7 92.7	92.5	92.9	94.1	94.4	93.2	93.2	93.2	93.2	94.7	93.2	93.2	93.2	94.7
≥ 1200 ≥ 1000	90.7		94.4	95.2	95.7	96.3	96.7	76.8	76.8	97.2		97.7	96.7	97.9	97.9	
+ 900 ≥ 80x	90.7	92.9	94.4	95.2	96.1	96.3	96.7	96.9	96.9	97.2	97.9	المصما	98.1	97.9	98.1	98.1
2 700 2 60t		92.9	94.5	95.3	96.3	96.5	96.9	97.3	97.3	77.6			98.4		99.1	
- 500 - 400	90.8	93.6	95.1	95.9	96.8	97.1	97.5	97.9	97.7 97.9	78.8	99.6	99.6	99.5	99.9	99.5	99.9
30r 20u		93.6	95.1	95.9	96.8	97.1	97.5	97.9	97.9	98.8	99.6 99.6	99.6	100.D	100.0 100.0	100.0	100.0
3 10C }	90.8	93.6		95.9	96.6	97.1	97.5	97.9		78.8		1-		100.0		

750 TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF *EATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725690

NATRONA CO/CASPER WY

73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

//ERING							viSi	BIQ ** 514	NTUTE MILE	5						
FEET	≥10	≥6	≥ 5	≥ 4	2.3	22.	2.2	2	≥1.	21	2.	≥ ,	2	≥ 5 16	2.	≥0
NO - ENING ≥ 20000	57.9 67.8	58.7 68.6	58.9 68.7	59.3 69.1	59.3 69.1	59.3	59.3	59.3 69.1	59.3 69.1	59.3	59.3 69.1	59.3 69.1	59.3 69.1	59.3 69.1	59.3	59.3
3 ,800€ 3 ,800€	67.9		68.8		69.2	69.2	69.2	69.2	69.2	69.6	69.2	69.6	69.6	69.2 69.6	69.2 69.6	69.2 69.6
≥ 14000 ≥ 12000	69.9 72.4	73.7	70.8	71.2 73.8	71.2 73.8	71.2 73.8	71.2	71.2 73.8	71.2 73.8	71.2 73.8	71.2	71.2	71.2 73.8	71.2 73.8	71.2 73.8	71.2
3 19000 ≥ 9000	75.8	76.6	76.7	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000 ≥ 2000	78.6 80.0	80.8	79.5 81.0	-	79.9	79.9 81.4	81.4	79.9 81.4	81.4	79.9	79.9	79.9 81.4	81.4	79.9	79.9 81.4	79.9
≥ 6000	81.2 82.4 82.6	82.0 83.4	83.5	82.6 83.9	82.6 83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9 84.0	83.9	82.6 83.9
≥ 4500 ≥ 4000 ≥ 3500	82.8	84.0	84.3	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	84.6	86.2	85.8	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 2000	86.4	88.5	89.5	90.1	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
2 1500 2 1200	87.6	90.7	90.5	91.5 92.8	92.1	92.3	92.4	92.4	92.4	92.4	92.4	94.9	92.4	92.4	92.4	92.4
2 1000	87.7	90.9	92.3	93.3 93.7	94.7	94.7	95.9	96.9	96.9	96.5	96.5	96.5	96.5	96.5	96.5 97.7	96.5
2 700	88.3	91.6	92.9	94.0	94.9	95.3	96.3	97.3	97.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 60° ≥ 500 ≥ 40°	88.4 88.4	91.7 91.9 91.9	93.2 93.3 93.3	94.4	95.3 95.3	95.4 95.7 95.7	96.5 96.7	98.0	98.0	98.8	98.9	98.9	98.9	98.9	98.9	98.9
2 300	88.4	91.9	:	94.4	95.3	95.7	96.7	98.0	98.0	99.1	99.3	99.3	99.6	99.6	99.6	99.6
≥ 100 ≥ 0	88.4	91.9	93.3	94.4	95.3 95.3	95.7 95.7	96.7	98.Q	98.0 98.0	99.2	99.5	99.5	99.9		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 de 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

`

.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

72569

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FEB 2100-2300

CENNO							VISI	BILITY STA	NTUTE MILE	5						
116.	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1.	≥:.	≥1	≥ -4	≥ .	≥ .	≥ 5 16	2 .	≥0
NO CEILING	58.7	58.8	58.8	59.2	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
2 20000	67.1	67.9	67.9	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	67.2	68.0	68.0	68.4	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 16000	67.5	68.3	68.3	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 14000	68.5	69.3	69.3	69.7	69.7	69.7	69.7	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 12000	70.7	71.5	71.5	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	73.0	73.9	73.9	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 9000	74.2	75.1	75.1	75.5	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 8000	74.7	75.6	75.6	76.0	76.0	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 7000	76.7	77.Q	77.0	77.4	77.4	77.4	77.4	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 6000	76.6	77.5	77.5	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	77.5	78.6	78.7	79.1	79.1	79.1	79.1	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 4500	77.9	79.1	79.3	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 4000	79.0	80.3	80.5	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 3500	79.9	81.4	81.5	81.9	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	81.3	82.9	83.0	83.4	83.4	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 2500	81.9	83.9	84.2	84.7	84.9	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
2 2000	83.4	85.7	86.3	87.3	87.6	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.
2 1800	83.7	86.1	87.4	88.4	88.6	88.6	88.8	88.9	88.9	84.9	88.9	88.9	4.88	88.9	88.9	88.9
≥ 1500	84.6	87.1	88.5	89.6	90.0	90.0	90.4	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.4
≥ 1200	85.5	88.2	89.6	91.2	92.1	92.1	92.6	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
2 1000	86.1	8.86	90.2	91.8	93.0	93.D	93.6	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5
900	86.6	89.7	91.2	92.8	94.0	94.0	94.5	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2 800	86.7	90.0	91.6	93.2	94.4	94.6	95.4	96.3	96.4	97.3	97.3	97.3	97.3	97.3	97.3	97.1
2 700	87.0	90.8	92.4	94.0	95.2	95.4	96.4	97.2	97.5	94.4	98.4	98.4	98.4	94.4	98.4	98.4
≥ 600	87.d	90.8	92.4	94.0	95.2	95.7	96.7	97.5	97.7	94.7	98.7	98.7	98.8	98.9	98.9	98.9
2 500	87.d	90.9	92.5	94.1	95.3	95.9	96.8	97.7	98.0	99.3	99.3	99.3	99.5	99.6	99.6	99.6
400	87.Q	90.9	92.5	94.1	95.3	95.9	96.1	97.9	98.1	99.5	99.6	99.6	99.7	99.9	99.9	99.9
300	87.0	90.9	92.5	94.1	95.3	95.0	96.8	97.0	98.1	99.5	99.7	99.7	99.9		00.0	
2 700	87.d	90.9	92.5	94.1	95.3	95.9	96.2	97.9	98.1	99.5	99.7	99.7			00.0	
- 100	87.0	90.9			95.3	95.0	96.8	97.9	98.1	99.5	99.7	99.7			00.0	
2 W	87.0	90.9	,		95.3	95.9	94.2	97.9		99.5	99.7		99.9			
	2.04	, , , ,	72.03	7704	7303	7307	7000	7:07	7004,	7703	7701	7701	2202			

73-81

747 TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

FEB ALL

r CE UNO							V/51	BILITY STA	ITUTE MILE	5						ĺ
: :::::::::::::::::::::::::::::::::::::	≥10	≥ 6	≥ 5	≥ 4	≥ 5	≥2:	≥: ;	≥1	≥' ₄	≥ .	٤،	≥ .	2	25 c		≥0
NO CEUNO	57.8	58.3	58.4	58.7	58.7	58.7	59.7	50.0	58.8	58.8	54.8	50.0	58.8	58.8	58.8	58.8
20000	68.3	69.0	7 - 1	69.4	69.5	69.5	69.5	69.6	69.6	69.6	1 2 1	69.6			69.6	69.6
≥ 1800€	68.4	69.1	69.3	69.5	69.6	69.6	69.6	69.7	69.7	69.7	69.7					
≥ 15000 ≥ 15000	68.7	69.4	69.5	69.7	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
> 4000	69.8	70.5	70.6	70.9	71.7	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.1
≟ 1200€	72.8	73.5	73.6	73.9	74.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
> 10000	75.9	76.6	76.8	77.0	77.1	77.1	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 900U	77.2	78.0	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.6
2 800C	78.2	78.9	79.1	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 700€	79.6	80.3	80.5	80.7	80.6	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 6000	80.2	81.0	81.2	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 5000	81.3	82.0	82.3	82.5	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	81.8	82.7	82.9	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.5
400C	82.6	83.6	83.9	84.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4		84.4	84.4	84.4
> 3500	83.4	84.6	85.0	85.4	85.6	85.6	65.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2 300C	84.4	85.8	86.2	86.7	86.9	86.9	87.0	87.0	87.g	87.0	87.1	87.1	87.1	87.1	87.1	87.1
> 2500	85.2	86.7	87.4	88.0	88.3	88.3	88.4	88.5	88.5	88.5	88.5	88.5	68.5	88.5	88.5	88.5
≥ 2000	86.1	87.4	88.6	89.3	89.7	89.7	89.9	89.9	89.9	89.9	90.0	1	90.0	90.0	90.0	90.0
> 1800	86.4	88.2	89.1	90.0	90.4	90.4	90.6	90.6	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7
2 1500	86.6	88.8	89.9	90.9	91.4	91.5	91.7	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	E 1 1
> 1200	87.5	90.0	91.2	92.4	93.1	93.2	93.5	93.9	93.9	94.0	94.1	94.1	94.1	94.1	94.1	94.1
2 1000	87.7	90.4	91.8	93.0	93.8	93.9	94.4	94.9	94.9	95.0	95.2	95.2	95.2	95.2	95.2	95.2
900	87.9	90.7	92.1	93.3	94.2	94.3	94.8	95.3	95.3	95.6	95.7	95.7	95.8	95.8	95.8	95.8
2 800	88.1	91.0	92.4	93.4	94.7	94.9	95.4	96.0	96.0	96.4	96.6	96.6	96.7	96.7	96.7	96.7
2 700	88.2	91.2	92.6	93.4	94.9	95.1	95.7	96.3	96.4	96.8	97.0	97.0	97.1	97.1	97.1	97.1
. ≥ 600	88.3	91.4	92.9	94.2	95.3	95.5	96.1	96.6	96.9	97.3	97.4	97.6	97.7	97.7	97.7	97.7
> 500	88.4	91.6	93.2	94.5	95.7	96.0	96.6	97.3	97.5	98.0	98.3	98.3	98.5	98.5	98.5	94.5
· 2 400	88.4	91.7	93.3	94.	96.0	96.3	97.0	97.8	98.0	98.7	99.0	99.1	99.2	99.3	99.3	99.3
2 300	88.5	91.8	93.4	94.9	96.2	96.5	97.2	98.1	98.2	99.0	99.4	99.4	99.6	99.6	99.6	99.7
200	88.5	91.8	93.4	95.0	96.2	96.5	97.3	98.2	98.3	99.1	99.6	99.6	99.8	99.8	99.9	99.9
> 100	88.5	91.8	93.4	95.0	96.2	96.5	97.3	98.2	98.3	99.1	99.6	99.6	99.8	99.9	99.9	
1 2 0	88.5		11111	95.0	96.2	96.5	97.3	98.2	98.3	99.1	99.6	99.6	1 1 7 1	1	99.9	
L																

73-81

5988 TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 10 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

Ç

GLOBAL CLIMATOLOGY BRANCH SIAFETAC AIS WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0000-0200

F: N .							v1\$1	BILITY STA	NUTE MILE	5						
iti.	211	± 6	≥ 5	2.4	 ≥ 3	≥2.	≥ 2	≥.	≥1.	ž	2 .	٤٠	<u> </u>	≥5 '6 .	≥.	≥0
The Estate	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3	58.3	58.3	58.3	58.3
2 / WH.	63.7	63.0	63.3	63.Q	63.0	63.0	63.0	63.0	63.0	63.0	63.D	63,1	63.1	63.1	63.1	63.1
₹ 80xH	63.7	63.d	63.0	63.0	63.0	63.Q	63.D	63.0	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1
* 6300	63.₫	63.Q	63.Q	63.Q	63.0	63.0	63.0	63.Q	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1
2.496	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8
2.12.88	65.5	65.5	65.5	65.5	65.5	65.5	65.5			65.5		65.6	65.6	65.6	65.6	65.6
*KKN.	68.0	68. C	68.0	68.0	68.0	68.0	68.0	68.D	68.D	68.0	68.0	68.1	68.1	68.1	68.1	68.1
≥ SONE	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.3	70.3	70.3	70.3	70.3
± 8000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.9	70.9	70.9	70.9	70.9
· ***	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5
> 50EX	74.4	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8
* 51XX1	75.3	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7
450t	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.8	76.8	76.8	76.8	76.8
. 2 4000	77.3	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6	77.6	77.6	77.6	77.6
≥ 3500	77.8	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5	78.5	78.5	78.5	78.5
≥ 3000	79.7	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.6	80.6	80.6	80.6	80.6
≥ 2500	80.6	81.3	81.4	81.4	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8
± 2000	81.7	82.6	82.8	82.8	83.1	83.3	83.3	83.3	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4
. ≥ 1800	81.8	93.4	83.5	83.9	84.2	84.4	84.5	84.5	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6
2 - 500	82.3	84.2	84.6	85.Q	85.3	85.5	85.7	85.7	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8
≥ 1200	83.6	85.9	86.7	87.4	87.9	88.3	88.8	88.9	88.9	88.9	88.9	89.0	89.0	89.D	89.0	89.0
2 1000	84.4	87.2	88.3	89.0	89.6	90.0	90.8	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2
2 900	85.2	88.1	89.2	90.0	90.6	91.0	91.8	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3
- ≥ 800	85.8	89.4	90.8	91.6	92.2	92.5	93.4	94.0	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3
? 700	86.4	90.1	91.6	92.3	93.3	93.6	94.5	95.1	95.2	95.2	95.2	95.4	95.4	95.4	95.4	95.4
≥ 600	86.7	90.6	92.2	92.9	94.0	94.4	95.5	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3
- 500	87.0	91.4	93.0	93.8	94.9	95.2	96.3	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2
≥ 400	87.5	92.1	93.6	94.5	95.6	96.0	97.2	97.8	97.9	98.0	98.3	78.4	98.4	98.4	98.4	98.4
2 300	87.7	92.3	94.0	95.0	96.2	96.6	97.8	78.4	98.5	98.7	98.9	99.D	99.1	99.1	99.1	99.1
2000	87.7	92.3	94.0	95.0	96.2	96.7	97.9	98.5	98.7	98.8	99.0	99.1	99.4	99.6	99.6	99.6
. 10C	87.7	92.3	94.0	95.0	96.2	96.8	98.2	98.8	98.9	99.0	99.3	99.4	99.8	00.0	100.0	100.0
i = 0		92.3			96.2											

73-81

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC - COLON 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725697

2

NATRONA CO/CASPER WY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CERUNC							VISI	BILITY STA	ITUTE MILE	5						
1 FEET	≥10	26	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥ i	≥1.	≥ '	≥ .	≥ .	≥ .	≥5 10	٤.	≥0
NO FEIL NO	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.6	54.6	54.6	55.0
≥ 20000	60.6	60.6	67.6	60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.8	61.2
≥ 18000	60.6	63.6		60.6	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.8	61.2
≥ 15000	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6		60.7	60.7	60.7	60.8	60.8	60.8	61.2
≥ 14000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.2	61.5
≥ 12000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.5	62.5	62.5	62.6	62.6	62.6	63.0
≥ 10000	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.5	65.5	65.5	65.7	65.7	65.7	66.0
≥ 9900	66.0	66.0	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.3	66.3	66.3	66.4	66.4	66.4	66.7
≥ 8000	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.6	67.6	67.6	67.7	67.7	67.7	68.1
≥ 7000	68.8	68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	69.1	69.1	69.1	69.2	69.Z	69.2	69.5
≥ 6000	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.8	70.8	70.8	71.1
2 5000	72.3	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.8	72.8	72.6	72.9	72.9	72.9	73.3
≥ 4500	72.9	73.2	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.7	73.7	73.7	74.0
± 4000	73.7	74.0	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.5	74.5	74.5	74.9
≥ 3500	74.3	75.0	75.2	75.4	75.5	75.5	75.5	75.5	75.5	75.6	75 - 6	75.6	75.7	75.7	75.7	76.1
. 300U	75.6	76.3	76.6	76.7	76.9	76.9	76.9	76.9	76.9	77.2	77.2	77.2		77.3	77.3	77.7
± 2500	77.3	77.9	78.3	78.4	78.6	78.6	78.6	78.6	78.6	78.9	78.9	78.9	79.0	79.0	79.0	79.4
≥ 2006	78.2	79.1	79.6	79.9	80.2	80.2	80.2	80.2	80.2	80.5	80.5	80.5	80.6	80.6	40.6	80.9
≥ 1800	78.6	79.6	80.5	80.7	81.1	81.1	81.1	81.1	81.1	81.3	81.3	81.3	V- V V	81.4	81.4	81.8
≥ 150C	79.1	80.5	81.4	81.7	82.4	82.4	82.6	82.6	82.6	82.9	82.9	82.9	83.0	83.0	83.0	83.4
≥ 200	80.6	82.2	83.5	83.9	84.7	85.0	85.4	85.4	85.4	85.7	85.7	85.7	85.8	85.8	85.8	86.2
≥ 1000	81.4	83.5	85.q	85.6	86.5	87.0	87.5	87.6	87.6	87.9	87.9	87.9	88.0	88.0	88.0	88.3
≥ 900	81.4	83.9	85.3	85.9	87.9	87.5	88.0	88.2	88.2	88.6	88.6	88.6	88.7	88.7	88.7	89.1
≥ 800	81.9	84.8	86.7	87.3	88.3	88.8	89.3	89.9	89.9	90.4	91.0	91.0	91.1	91.1	91.1	91.5
≥ 700	82.2	85.2	87.g	87.6	89.0	89.4	90.0	90.7	90.7	91.1	91.9	91.9	92.0	92.0	92.0	92.4
. ≥ 500	82.6	86.0	88.9	88.6	90.2	90.7	91.5	92.1	92.1	92.7	93.6	93.6	93.7	93.7	93.7	94.1
≥ 500	83.5	87.5	89.6	90.2	91.7	92.2	93.1	93.8	93.8	94.4	95.3	95.3	95.5	95.5	95.5	95.9
≥ 40C	83.9	87.9	90.4	91.4	93.3	93.8	94.7	95.5	95.5	96.5	97.3	97.6	97.8	97.8	97.8	98.2
≥ 300	84.2	88.3	91.3	92.0	93.9	94.4	95.3	76.1	96.1	97.2	98.1	98.3	98.7	98.7	98.7	99.D
2 200	84.3	88.5	91.4	92.1	94.1	94.5	95.5	96.4	76.4	97.5	98.4	98.7	99.0	99.0	99.0	99.4
≥ 00	84.3	88.6	91.6	92.4	94.3	94.8	95.8	96.6	96.6	97.7	98.7	98.9	99.3	99.3	99.3	79.8
2 0	84.3	88.6	91.6	92.4	94.3	94.8	95.8	96.6	96.6	97.7	98.7	99.0	99.4	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 100 of 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

GLCEAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725694

2

NATRONA CO/CASPER WY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEGI N O							. (5)(BILITY STA	ITUTE MILE	5						Ì
· FEE*	≥10	≥6	> '	±4	23	22.	≥ 2	<u>2</u> 1	≥; .	≥1	2.4	≥ ,	≥ .	≥5 16 .	2.	≥ ن
NO TEUNG ± 20000	53.6 60.4	53.7	53.7 60.5	53.7 60.5	53.7 60.5	53.7 60.5	53.7	53.7 60.5	53.7 60.5	53.7 60.5		53.8	53.8	53.8	53.8 60.6	53.9
≥ 18000 ≥ 16000	60 • 4 60 • 4	60.5	60.5	60.5	60.5 60.5	60.5	60.5 60.5	60.5 60.5	60.5 60.5	60.5 60.5	60.6 60.6	60.6 60.6	60.6	60.6	60.6 60.6	60.9
≥ 14000 ≥ 2000	61.2 63.9	61.4 64.0	64.0	61.4 64.0	61.4 64.0	64.0	64.0	61.4	61.4 64.0	61.4	61.5 64.2	61.5	61.5 64.2	61.5	61.5	61.7
≥ 10000 ≥ 9000	66.3	67.6	67.6		67.6			66.7		67.6		66.8		66.8		67.9
≥ 8000 ≥ 7000	70.1	69.0 70.5	69.0 70.5	69.0 70.5		70.6	70.6	70.6		70.6		70.7	70.7	70.7	70.7	71.0
≥ 6000 ≥ 5000	72.1	73.8	72.5	72.5	74.2	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.3
≥ 4500 ≥ 4000 > 3500	74.6 75.5 75.8	75.0 75.9	75.1 76.1	75.1 76.1	75.5	75.5 76.4 77.2	75.5 76.4 77.2	75.5 76.4 77.2	75.5 76.4 77.2	75.5 76.4 77.3	75.6 76.5 77.4	75.6 76.5 77.4	75.6 76.5	75.6 76.5	75.6 76.5 77.4	75.8 76.8
≥ 3000	76.5 77.3	77.4	77.6	77.9	78.3	78.3	78.3 79.0	78.3 79.0	78.3 79.0	78.4	78.5 79.2	78.5	78.5 79.2	78.5 79.2	78.5 79.2	78.7
≥ 2000	78.4 78.6	79.7	80.3	80.6	81.7	81.2	81.9	81.3 82.0	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.8
≥ 1200	79.3 80.3	80.9	81.8	84.1	82.7	82.9	83.2	83.6	83.6	84.0	84.1	84.1	84.1	84.1	84.1	84.3
≥ 1000	80.9	83.7	84.7	85.9	86.3	86.4	87.4	88.1	88.1	88.7	88.8	86.8	88.8	88.8	89.7	89.1
≥ 800	81.9	84.8	86.6	87.8	88.3	88.6	90.6	90.9	90.9	91.9	92.1	93.2	92.3	92.3	92.3	92.6
≥ 600	82.0 82.1	85.8	87.1	88.3	90.6	90.9	92.5	92.2	93.4	95.1	94.3	94.3	94.5	94.5	94.5	94.8
≥ 400 ≥ 300 ≥ 200	82.4	86.5	88.6	90.0	91.9	92.2	94.0	95.3	95.0	97.1	98.2	98.2	98.9	98.7	98.7	98.9
2 100 2 0	82.4 82.4	86.5	88.6	90.0	92.0 92.0	92.2 92.2 92.2	94.0	95.3 95.3 95.3	95.3 95.3	97.1 97.1 97.3	98.3 98.3	98.3 98.5	99.1	99.1	99.4	99.8

TOTAL NUMBER OF OBSERVATIONS...

823

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORBOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIL WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS)

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS)

Erithera EEC																
'11	3,1	26	21	≥4	ڌ ج	22.	2.2	≥ .	21.	≥1	≥ .	≥ . :	≥	25 10	2.	23
NG CERING	55.1	55.3	55.5	55.5	55.S	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.6
- 20XXX	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.0		64.0	64.0	64.0	64.0		64.0	64.1
2 1800°	63.6	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.Q	64.0	64.0	64.0	64.0	64.0	64.0	64.1
3 1803	63.6	63.8	64.0	64.Q	64.0	64.0	64.Q	64.0	64.0	64.0	64. U	64.0	64.0	64.0	64.0	64.1
≥ 14000	64.6	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	65.0
≥ 12000	67.8	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.4
≥ 10000	69.5	69.9	70.0	70.0	70.d	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.1
≥ 9000	70.3	70.5	70.6	70.6	70.6	70.4	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.8
≥ 8000	71.0	71.4	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.6
≥ 7000	71.4	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.0
≥ 6000	72.6	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.2
≥ 5000	74.6	75.0	75.2	75.2	75.2	75.2	75.2	75.2		75.2	75.2	75.2	75.2	75.2	75.2	75.4
≥ 4500	75.2	75.6	76.0	76.0	76.0	76.0	76.0	76. Q	76.Q	76.0	76.0	76.Q	76.0	76.0	76.0	76.1
≥ 4000	76.1	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.9
≥ 3500	76.6	76.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.4
2 3000	77.7	78.2	78.5	78.5	78.5	78.5	78.5	78.5		78.5	78.5	78.5	78.5	78.5	78.5	78.6
2500	78.4	79.0	79.4	79.4	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7
≥ 2000	80.2	81.3	82.0	82.4	82.6	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	83.0
≥ 1800	80.5	81.9	8Z.8	83.1	83.9	83.5	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	84.0
2 1500	81.3	83.1	84.7	85.2	85.7	85.7	86.Z	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.4
≥ 1200 ≥ 1500	82.6	84.8	86.4	86.9	87.5	87.6	88.1	88.1	86.2	86.7	88.7	88.7	88.7	88.7	88.7	58.8
,	83.5	85.8	8/01	88.3	59.6	89.8	90.3	90.3		91.3	91.3	91.3	91.3	91.3	91.3	91.4
> 900	83.6	85.9	89-0	89.7	89.9	90.2	1 1 1	90.8		71.7	91.7	91.7	91.7	91.7	91.7	91.9
	84.1	86.5			90.9	91.4	91.9	92.Q	92.1	93.2		93.3	93.6	93.6	93.6	93.7
≥ 700 ≥ 600	84.7	86.9	90.4	91.3	92.8	71.7	92.6	94.7	73.2	77.7	94.5	96.2	94.8	96.7		96.8
	84.8	88.0	90.8	91.7	93.4	93.8	73.7	95.3	94.6	97.1	97.2	97.3	96.7	98.1	96.7	98.2
> 500 > 400	84.8	88.0	90.9	91.9	73.7	73.0	77.3	77.3	73.3	97.5		97.6	70.1	98.9		99.0
	84.8		90.9	01.0	9361	94.1	77. G	72.3	43.0	97.0		98.2	99.5		98.9	99.6
2 300 2 200	84.8	88.0	90.9	71.7	73.7	99.1	94.8	95.5	73.5	97.5	98.Z	98.2				99.9
	84.8	88.0		7407	730 F	94.1	77.0	05.5	95.8	97.8	98.2	98.2			99.6	99.9
≥ 00	84.8	88.0		74.7	93.7		94.2	95.5				,	99.8		1.	
L -	04.0	-8. U	70.7	71.9	7301	7402	77.5	73.3	95.8	97.8	98.2	70.4	77.5	77.8	99.8	. UU • U

TOTAL NUMBER OF OBSERVATIONS 824

USAF ETAC - 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

1E, NO		VISIBILITY STATUTE MILES														
HE	≥ 10	≥ 0 i	≥ 5	≥ 4	≥ ;	22.	2.7	≥'i ,	≥1.	5	<u> </u>	≥ ' ,	2 .	≥5 16	≥ ,	≥0
NO CEILING				52.6												
2 200×0				63.9									+			
≥ 18000	- ;		;	64 - D	- 11					;	-					
≥ '6000	64.0			64.0											64.0	
≥ 14000	65.0	65.0	65.0	65 · Q	65.0		65.0	65.0	65.C	65.0	65.0	65.0	65.0	65.0	65.0	65.0
2 2000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	88.3
≥ 19000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 9000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 8000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 6000	72.4	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
- 2 5000	74.6	74.7	74.7	74.7	74.8	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
2 4500	76.7	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4000	78.4	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78 . 6	78.6	78.6	78.6
3500	79.8	80.0	80.0	80.0			80.1			80.1					80.1	
≥ 3000	81.2	81.4		81.5			81.7			81.8						
> 2500	82.9	83.1				83.6	83.7			83.8			83.8		83.8	
≥ 2000	84.7	85.2	86.3	86.4	86.8	86.8	87.0	87.0	87.1		87.1		87.1	87.1	87.1	1
· 1800	85.7	86.1		87.4		87.7		88.0	88.1			88.3		88.3	88.3	
2 150€	86.9		89.1			89.6	89.8	,				90.2	90.2		;	90.2
≥ 1200	88.5				92.3					93.1		93.1				
≥ 1000	89.1		93.3	1		94.0	94.4		94.7		95.3	95.3	95.3	95.3	95. 3	95.3
· · · · · · · · · · · · · · · · · · ·	89.3		93.8			94.5		95.3		95.7		96.1	96.1	96.1	96.1	
. ≥ 800	89.4	91.4	94.0		94.8	94.8	95.1	95.6	95.7	96.6	97.1	97.1	97.1	97.1		97.1
	89.6	91.9	94.3		95.0	95.0	95.4	95.9		97.1			97.6		97.6	
≥ 700 ≥ 600	89.7			94.7		95.1	95.6	96.1	96.2		1		98.1		98.3	
·	89.7															
2 500 2 400		1				95.4	- 1	96.8	- 1	98.2	98.7	1	99.1			
	1	92.2			95.5		96.1			98.3					99.6	
± 300	1		94.8		95.5	- 1				98.3					99.9	
200				95.0						98.3					100.0	
2 00	1		,	95.0			- 1			1		- 1				1
2 0	89.8	92.2	94.8	95.0	95.5	95.5	96.1	97.0	97.1	98.3	99.1	99.1	99.6	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS,

USAF ETAC TOLAN 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIF MEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

77.569 NATRONA CO/CASPER MY 73-81 MAR

PERCENTAGE FREQUENCY OF OCCURRENCE 1500-1700

(FROM HOURLY OBSERVATIONS)

CEL NO	VISIBILITY STATUTE WILES												:			
·FE ·	≥10	≥ 5	25	<u> </u>	ــــ ــــــــــــــــــــــــــــــ	22.	27	≥	21.	٠ ج	2 4	2.	2	≥ 5 1 5	2.	≥:
NO FRIEND	48.1	48.0	48.0	48.0	48.1	48.1	48.3	48.3	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4
± 20000	60.8	60.8	60.8	60.8	60.9	60.9	61.0	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2
± 18000	61.	61.0	61.0	61.0	61.2	61.2	61.3	61.3	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4
± 160%4.	61.2	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4.KK	63.1	63.1	63.1	63.1	63.2	63.2	63.3	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4
E 1200K	68.4	68.4	68.4	68.4	68.5	68.5	68.6			68.8			68.8	68.8	68.8	68.8
≥ :00Y	70.3	70.3	70.3	70.3	70.4	70.4	70.4	70.6	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
± 4.4X	70.9	70.9	73.9	70.9	71.0	71.0	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.3	71.3
3000	71.0		71.0	71.0	71.2	71.2	71.3		71.3	71.4	71.4	71.4	71.4	71.4		71 - 4
2 7000	71.7		71.7	71.7		71.8				72.0			+		72.0	
≥ 6000	72.9	72.9	72.9	72.9	73.d	73.Q	73.1		73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2 5 cmc	76.4	1	76.4	76.4		76.5			76.6			76.7	76.7	76.7	76.7	
2 450C	78.9	78.9	78.9	78.9	79.0		79.1			79.3	79.3	79.3	79.3	79.3	79.3	1
4000		80.3	80.3	80.3		80.5			80.6		80.7				80.7	
≥ 3500	82.5		82.8	82.8		;	83.0		83.0		83.1	83.1	83.1	83.1		83.1
	84.2	84.3	84.6		84.8		84.9		84.9		85.0				85.0	
<u>≥</u> 2500	85.9	86.4	86.4	86.4	!		87.1			87.2	87.2		87.2		87.2	67.2
2000	87.8	88.7	89.0	89.1		89.6				90.0						
2 80C	88.7	89.7	90.1	90.2		90.7				91.1			91.1		91.1	91.1
2 1500	89.4	90.7	91.2	91.3		92.0	92.2		92.2		92.4		92.4	92.4	92.4	92.4
≥ 1200	91.2	92.6	93.2	1		94.2	94.5		94.5	94.7	94.7		94.7			94.7
≥ :000	91.7	93.4	94.1	94.3	95.2	95.2	95.4	1	95.5		96.0			96.1		96.1
900	91.8	93.5	94.2	94.5	95.3	95.4	95.7			96.5			96.7			96.7
2 800	91.9	93.6	94.3	94.6	95.4	95.5	95.8	96.0		97.0				97.5		
200	91.9	93.8	94.4	94.8	95.7	95.8	96.0	96.3		97.3		97.9	98.2	98.2		98.2
≥ 600	92.0	94.0	94.7	94.9	95.8	95.9	96.1	96.5		97.6	98.3	98.3	98.6			98.6
± 500	92.2	94.1	94.8	95.2	96.0	96.1	96.4	96.7	96.7	98.1	99.2	99.2		99.4		
2 400	92.2	94.1	94.8	95.2	96.0		96.4	96.7	96.7		99.4				99.6	
≥ 300	92.2	94.1	94.8	95.2	96.0	1	• 1	96.7	96.7	98.2	99.4	99.5			100.01	
2 700	92.2	94.1	94.8	95.2	96.0		96.4	96.7	96.7		99.4				100.0	
≥ 100 2	92.2		94.8				96.4	,	/						100.01	
≥ 0	92.2	74.1	74.8	95.2	Y0.0	40.1	70.4	70.7	75.7	78.Z	77.4	77.5	77.5	77.9	ו מיים ו	100.0

TOTAL NUMBER OF OBSERVATIONS 825

USAF ETAC 100 May 0+14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

/ \ \ \ /

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

72569 NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

MAR

EIUNG		VISIBILITY STATUTE MILES															
Н	: 133	≥10	≥0	≥ 5	≥ 4	≥3	≥2.	2.7	≥i::	≥1.	3.	٤ ،	≥ .	2.	≥5 16	2.4	≥۷
No	EILING	55.7	55.9	55.9	55.9	56.D	56.0	56.0	56.D	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.1
2 2	20000 :	63.8	63.9	63.9	63.9	64.0	64. C	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1
≥ (8000	63.8	63.9	63.9	63.9	64.D	64.D	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.1
. ≥	5000	53.8	63.9	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.D	64.0	64.0	64.0	64.0	64.0	64.1
2.1	14000	64.9	65.0	65.0	65.Q	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.2
≥ 1	2000 .	68.5	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.9
> 1	000C	71.5	71.6	71.6	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.8
2	9000	72.2	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.6
	8000	72.5	72.7	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8		72.9
2	2000	75.1	75.2	75.2	75.2	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.5
*	٥٥٥٥	76.8	77.0	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.2
-	500C	79.1	79.3	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.6
	4500	80.5	80.6	80.7	80.7	87.9	80.9	80.9	80.9	60.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0
:	4000	82.3	82.1	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4
	1500	83.3	83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9			83.9	83.9	83.9		84.0
3	3006	84.8	85.1	85.2	85.2	85.5	85.5	85.5	85.5	85.5			85.5	85.5	85.5	85.5	
	2500	85.6			86.5	86.7	86.7	86.7	86.7					86.7	86.7	86.7	
-	2000	86.6	87.7	88.0	#	88.4	88.4	88.5		88.5			88.7	88.7	88.7	88.7	88.8
h	'8≎∪	87.1		88.9	89.0	89.4	89.4	89.5	89.5	89.5		89.8	89.8	89.8	89.8	89.8	
	500	88.3	89.8	90.6		91.5	91.5	91.7	91.7	:	1	1	92.0	92.0	92.0	92.0	
·	1200		91.1		92.1		92.9	93.4					93.8	93.8	93.8		
	.000	89.8	91.3	92.2	92.3	93.3	93.4	94.3	94.8	94.8			95.2	95.4	95.4	95.4	
,	900	90.0		92.4	92.7	93.7	93.8	94.9	95.6	95.6		96.2	96.2	96.3	96.3	96.3	
-	806	90.0	92.0	92.9	93.2	94.1	94.3	95.4	96.2	96.2)	96.8	96.8	97.0	97.0	97.0	
	700	90.0		92.9	93.2	94.1	94.3	95.5	96.3	96.3		97.2	97.2	97.4		97.4	
	60C		92.1				94.6		,	1	97.3					97.9	
	500	90.5								97.6		98.7				99.0	
	400		92.7		94.1		95.2		1		98.2					99.1	
		90.9				95.5			97.9			99.3		99.6		99.6	
	100	1	93.0		- 1	95.5	,				98.7		- 1	99.8		99.9	
	·- · +		93.0								98.7					99.9	
:	OK.					- 1	1							- 1			
		Anea	73.U	77.1	77.3	7763	73.5	77.0	7107	7107	98.7	77.4	77.	99.8	77.5	99.9	

73-81

TOTAL NUMBER OF OBSERVATIONS ...

820

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLIPAL CLIMATOLOGY BRANCH USAFETAC ALF WEATHER SERVICE/MAC

NATRONA CO/CASPER WY

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

MAR 2100-2300

VISIBILITY STATILITE MILES - 20/100 18600 18600 ≥ 140(8) ≥ 1200, **> 9000** 2 BenC 7,000 - 500c - 4000 3000 82.2 82.6 82.9 82.9 82.9 82.9 82.9 82.9 82.9 83.2 83.2 83.3 83.3 83.3 83.3 83.3 83.4 83.3 83.7 84.7 84.7 84.7 84.7 84.7 84.7 84.9 84.9 85.0 85.0 85.0 85.0 85.0 ÷ 2500 2000 : 1500 88.6 93.7 92.5 93.0 93.7 93.9 94.7 94.8 95.3 95.6 95.7 95.8 95.8 95.8 96.0 88.7 90.9 92.9 93.4 94.4 94.5 94.5 94.5 95.3 95.5 96.0 96.2 96.3 96.4 96.4 96.4 96.6 88.8 91.3 93.3 93.9 95.0 95.1 95.2 96.1 96.2 96.7 96.9 97.1 97.2 97.2 97.2 97.3 89.1 91.5 93.5 94.1 95.2 95.3 95.5 96.4 96.9 97.2 97.3 97.4 97.4 97.4 97.5 89.1 92.4 94.5 95.1 96.2 96.3 96.4 97.3 97.4 98.8 98.8 98.9 89.1 92.4 94.5 95.2 96.4 96.6 96.7 97.5 97.7 98.8 98.8 98.9 89.9 92.5 94.6 95.2 96.4 96.6 96.7 97.5 97.7 98.8 98.8 98.9 89.9 92.5 94.6 95.2 96.4 96.6 96.7 97.5 97.7 98.8 98.8 98.9 98.9 89.9 92.5 94.6 95.2 96.4 96.6 96.8 97.7 97.8 98.5 98.9 99.0 99.5 99.8 99.9100.0 89.9 92.5 94.6 95.2 96.4 96.6 96.8 97.7 97.8 98.5 98.9 99.0 99.5 99.8 99.9100.0 89.9 92.5 94.6 95.2 96.4 96.6 96.8 97.7 97.8 98.5 98.9 99.0 99.5 99.8 99.9100.0

73-81

KAR FIAC TO 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOPAL CLIMATOLOGY BRANCH .SAFETAC ACC. AEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NAT	RONA		SPER				73-	81			 				M A	AR
		·					REQUI OURLY		_	CCURR IONS:	RENCE				- _{मर्ल} 👰।	L L
E (N)							VISI	B1617 - 514	CUTE MILE	5						
-f£"	≥ `.	≥ 6	≥ 5	<i>≟</i> 4	23	22	≥ 2	≥)	≥:.	2	٤،	٤٠	2	25 %		≥.0
i Eu⊼iT Fanak		54.6														
8000		62.5														
2.18000		62.6														
+ 143/5		63.5														
100%		66.6														
> 10(x)r		69.0														
≥ ¥000		69.9														
> 800G	70.6	70.7														
2 7000	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.
- 5(x)(73.5	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.
.: 55KV	75.4	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	76.
± 450C		76.9														
4000	77.9	78.1	78.3	78.3	78.3	78.3	78.4	78.4	78.4	78.4						
1500		79.2											- 1	79.7		
3000		80.7														
2500	81.4	82.0	82.3	82.4	82.6	82.6	82.6	82.6	82.6	82.7	82.8	82.8	82.8	82.8	82.8	82.
		83.7	89.3	34.4	84.5	84.8	84.9	84.9	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.
2 1900 500	83.2									86.0						
	1	87.1								87.7						
: 1200 : 94		88.0														
		88.5														
Al-ja		89.2														
- 700		89.5														
5.00		89.8														
- S(#2	87.4	90.4	92.2	92.9	94.1	94.3	95.1	95.9	95.9	96.9	97.4	97.4	97.8	97.8	97.8	97.
4: a,		90.7														
3.80	87.7									98.0						
, 9 K	87.7	90.9														
·		90.9														
2		90.9														

TOTAL NUMBER OF OBSERVATIONS _______6576

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLERAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

NATRONA CO/CASPER WY

7569

2

CEILING VERSUS VISIBILITY

APR

PERCENTAGE FREQUENCY OF OCCURRENCE 3000-0200 (FROM HOURLY OBSERVATIONS) SIBN THE STATUTE MILES < 20000 2 18000 2 18000 ≥ 14000 . 396 - 1400 - 2 8000 4000 2506 2500 2000 180

73-81

GLCBAL CLIMATOLOGY BRANCH AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

NATRONA CO/CASPER MY

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

NO SERING	≥10 56.5 02.3 62.4 62.4 62.8 63.6	57.3 63.1 63.1 63.2 63.6 64.3	57.4 63.2 63.2 63.3		63.2 63.2		57.4 63.2		≥:. 57.4	≥'	2 4	≥ .	٤	خ: 5 ≤	2.	≥υ
≥ 200°00 (≥ 18000 (≥ 16000 (≥ 14000 (02.3 62.4 62.8 63.6	63.1 63.2 63.6	63.2 63.2 63.3	63.2	63.2 63.2	63.2	63.2		57.4	F 7 4						
≥ 18000 ≥ 16000 ≥ 14000	62.4 62.4 62.8 63.6	63.1 63.2 63.6	63.2 63.3	63.2	63.2			47 3		57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000 (≥ 14000 (62.4 62.8 63.6	63.2	63.3			63.2		03.4	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000 (62.8 63.6	63.6		63.3	/ 7 7		63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
T	63.6		63.7		63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000		411 7	0 3 0 1	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
	44.0	04.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64 . 4	64.4	64.4	64.4
	00.0	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	67.5	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
-	68.2	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	59.1	69.1	69.1	69.1	69.1	69.1	69.1
	70.2	71.0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
	71.5	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
	73.8	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
	74.1	74.9	75 · n	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
	75.2	75.9	76.0	76.Q	76.0	76.0	76.0	76 . D	76.D	76.0	76.0	76.0	76 . D	76.0	76.0	76.0
7 1	76.5	77.4	77.6	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
2 300C	78.6	79.6	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
- ::::: 1	80.5	81.6	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
	82.3	84.0	84.1	84.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
	82.7	84.5	84.6	84.7	85.0	85.0	85.0	85.0	85.0	85.0	85.D	85.0	85.0	85.C	85.0	85.0
·	83.5	85.8	86.1	86.3	86.8	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
	84.5	87.0	87.4	87.8	88.4	88.5	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
	84.7	87.3	87.8	88.3	88.9	89.0	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5
	84.9	87.4	88.0	88.5	89.3	89.5	89.8	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 800 (35.1	87.6	88.5	89.0	89.8	90.0	90.3	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5
	85.6	88.5	89.7	90.3	91.4	91.7	91.9	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3
	85.8	88.7	89.9	90.5	91.7	91.9	92.3	92.7	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9
	86.0	88.9	90.3	91.0	92.4	92.7	93.2	93.6	93.6	93.9	93.9	93.9	93.9	93.9	93.9	93.9
2 400 8	86.1	89.5	91.0	91.8	93.3		94.1	94.6	94.7	95.3	95.8	95.8	95.8	95.8	95.8	95.8
	86.6	90.0	91.7	92.4	94.1	94.3	94.8	95.5	95.6	96.3	97.0	97.0	97.0	97.4	97.4	97.4
2000	86.6	90.2		92.6	94.3	94.6	95.1	96.1						98.4	98.4	98.5
		90.2	1	92.6	94.3	94.6		96.1	96.2	97.2	98.D	98.0	98.1	98.5	98.9	99.5
2 0 1	86.6	93.2	91.8	92.6	94.3	94.6	95.1	96.1	96.2	97.2	98.0	98.0	98.1	98.6	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS __

793

USAF ETAC 300 0-14-5 (OL. A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

APR 3600-0800

(FROM HOURLY OBSERVATIONS)

CEIUNG							V:51	Biri., 2.9	TOTE MILE	\$						
FEE!	≥'0	≥6	≥ 5	≥ 4	≥.;	≥2.	2.2	٤	≥1 ,	≥ ·	2.4	٠.	<i>2</i> .	2518	٤.	≥ 0
NO CEIUNG	53.4	53.9		53.9	54.0		54.0 60.2		54.0			54.3			54.4	
≥ 18000 ≥ 15000	59.2	59.8			60.1	60.1	60.2	60.2	60.2		60.4	60.4	-	60.6	60.6	
≥ 14000 ≥ 12000	59.5	60.2	60.3	60.3	60.4	62.2	60.6	60.6	60.6	60.7	60.8	60.8	60.9	60.9	60.9	
≥ 10000 ≥ 9006	63.9	64.6	64.7	64.7	64.8	64.8	64.9	64.9	64.9	65.1	65.2	65.2	65.3	65.3 67.0	65.3 67.0	65.8
≥ 8000 ≥ 7000	67.1	67.7	67.8	67.8	68.0	68.0	68.1	68.1	68.1	68.2	68.3	68.3	68.5	68.5	68.5	69.0
≥ 6000 ≥ 5000	73.1	70.7	70.9	70.9	71.0	71.0	71.1	71.1	71.1	70.0	70.1	70.1	71.5	70.2	70.2	70.7
≥ 450C	71.5	72.6	72.7	72.7	72.9	72.4	72.5	72.5	72.5	72.6	73.2	73.2	72.9	72.9	72.9	73.4
3500	74.2	74.9	75.0	75.0	73.5	73.5	73.6	73.6	75.3	75.5	73.9	73.9	74.0	74.0	74.0	74.5
2 3000	76.8 78.3	77.4		77.8	80.0	80.0	78.0	78.0 80.2	80.2	78.3 80.4	80.5	80.5	78.5	78.5	78.5	79.0 81.2
2000	80.0	81.7	82.3	82.9	82.8	83.2	83.3	82.9	83.3	83.5	83.7	83.7	83.4	83.4	83.4	83.9
2 1500 2 1200	81.2	83.9	84.4	84.3	85.7	85.7	85.9	84.8	84.8	86.6	85.3	85.3	85.4	85.4	85.4	85.9
1000	82.7	84.7	85.J	87.2	87.6	87.6	87.8	88.3	88.3	87.8	88.9	88.9	89.1	88.1	89.1	89.6
.: 800 - 700	83.4	86.2	87.1	88.3	88.7	88.7	88.9	90.5	90.6	90.2	90.3	90.3	90.5	90.5	90.5	91.0
≥ 500	84.2	87.5	88.4	89.8	90.2	90.2	90.5	91.2	91.3	92.2	92.3	92.3	92.5	92.5	92.5	93.0
2 400 300	84.7	87.8	89.2		91.7	91.7	92.0	92.8	93.0	94.1	94.8	94.8	95.2	95.2	95.2	95.7
- 2 % 	84.7	87.8	89.2	91.0 91.0	91.8	92.0	92.5	93.3	93.5	95.5	96.4	96.5	97.1	97.2	97.2 98.0	98.1
		87.8	89.2			92.0									98.0	

USAF ETAC 104 0-14-5 (OL A) REVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF *EATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

725693 NATRONA CO/CASPER WY

73-81

WON'H

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

1 Flored							VISI	BILITY STA	TUTE MILE	5						
FEE"	≥ 10	≥6	≥ 5	≥ 4	≥ 3	22	≥ 2	≥1	≥:,	ž ·	2.	≥ ,	2	25 6	֥ ;	≥0
NO CEILING	54.9	55.0	55.0	55.0	55.0	55.0	55.D	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 2/3000	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 1800€	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ :3000	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
2:4000	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 12000	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 10000	67.8	68.0	68.0	68.0	68.0	68.0	68.Q	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
> 5000	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 8000	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
2 7000	69.8	70.0	70.0	70.0	70.0	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 6000	70.6	70.9	70.9	70.9	70.9	70.9	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	72.6	72.9	72.9	72.9	72.9	72.9	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 4500	73.4	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4000	75.0	75.3	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 3500	77.0	77.3	77.3	77.3	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 3000	78.8	79.3	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 2500	80.9	81.7	81.8	81.8	81.8	81.8	81.9	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 2000	83.8	84.7	84.8	84.8	84.9	84.9	85.1	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1800	84.5	85.4	85.6	85.6	85.7	85.7	86.2	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1500	85.7	86.7	86.8	86.9	87.2	87.2	87.8	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 1200	86.2	87.6	87.7	87.8	88.2	88.3	89.2	89.9	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1
2 1000	86.9	88.6	88.7	88.8	89.3	89.4	90.3	91.5	91.5	91.8	92.1	92.1	92.1	92.1	92.1	92.1
2 900	87.6	89.3	89.4	89.6	90.2	90.3	91.3	92.5	92.5	92.8	93.2	93.3	93.3	93.3	93.3	93.3
≥ 800	88.1	89.9	90.2	90.3	91.1	91.2	92.3	93.7	93.7	94.2	95.1	95.4	95.4	95.4	95.4	95.4
> 700	88.1	90.1	90.3	90.5	91.3	91.5	92.7	94.1	94.1	94.6	95.5	95.7	95.7	95.7	95.7	95.7
≥ 600	88.3	90.3	90.6	90.7	91.6	91.7	93.0	94.3	94.3	95.1	96.0	96.2	96.2	96.2	96.2	96.2
≥ 500	88.7	90.7	91.0	91.1	92.0	92.1	93.3	94.8	94.8	95.7	96.7	97.1	97.2	97.4	97.4	97.4
≥ 400	88.9	91.0	91.3	91.5	92.3	92.5	93.7	95.4	95.4	96.2	97.2	97.6	97.9	98.2	98.2	98.2
≥ 300	89.1	91.1	91.5	91.6	92.6	92.7	94.0	95.6	95.6	96.5	97.5	97.9	98.1	98.6	99.1	99.1
≥ /00	89.1	91.1	91.5	91.6	92.6	92.7	94.0	95.6	95.6	96.5	97.5	97.9	78.4	98.9	99.5	99.5
≥ 100	89.1	91.1	91.5	91.6	92.6	92.7	94.0	95.6	95.6	96.5	97.5	97.9	98.7	99.2	99.91	00.0
≥ 0	89.1	91.1	91.5	91.6	92.5	92.7	94.0	95.6	95.6	96.5	97.5	97.9	98.7	99.2	99.9	00.0

TOTAL NUMBER OF OBSERVATIONS

796

USAF ETAC 1004 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH USAFETAC AI' WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

NATRONA CO/CASPER HY

73-81

APR

790

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

η£α\N.S							V151	BILITY STA	ATUTE MILE	\$						
£££*	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2 →	≥ 2	≥ì.	≥1.	≥1	24	2.	<u> </u>	25 16	2 .	≥0
NO PERING	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 20000	54.8	54.8	54.8	54.8	54 . 8	54.8	54.8	54.8	54 . 8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 18000	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 15000	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 14600	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
> ,5000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 19000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.Z	59.2	59.2
≥ 9000	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 8000	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 6000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	71.0	71.0	71.0	71.0	71.0	71.q	71.9	71.0	71.0	71.Q	71.0	71.q	71.0	71.q	71.0	71.0
≥ 4500	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 4000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3500	80.5	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 3000	83.5	83.8	83.9	83.9	83.9	83.9	83.9	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2500	86.6		87.0	87.0	87.0	87.0	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
2 2000	88.7	89.0	89.1	89.1	89.1	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	87.4	89.4
≥ 1800	89.2	89.6	89.9	89.9	89.9	89.9	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 1500	90.1	90.8	91.3	91.3	91.5	91.5	91.6	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1200-	91.5	92.6	93.3	93.4	93.7	93.8	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2 '000	91.9	93.2	93.7	93.6	94.1	94.2	94.4	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.3	95.3
2 90C	91.9	93.4	93.9	94.1	94.4	94.7	94.9	95.7	95.8	96.1	96.1	9 .1	96.1	96.1	96.1	96.1
3 800	91.9	93.5	94.2	94.3	94.9	95.3	95.6	96.6	96.7	97.1	97.3	97.3	97.3	97.3	97.3	97.3
2 700	91.9	93.5	94.2	94.3	95.1	95.4	95.7	96.8	97.0	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	91.9	93.5	94.2	94.3	95.1	95.4	95.7	96.8	97.Q	97.6	98.0	98.0	98.0	98.0	98.0	98.0
> 500	92.0	93.7	94.3	94.4	95.2	95.6	93.8	97. a	97.1	97.7	98.1	98.1	98.2	98.2	98.2	98.2
≥ 400	92.Q	93.7	94.3	94.4	95.2	95.4	96.1	97.2	97.3	98.0	78.4	98.4	98.7	98.9	98.9	98.9
2 300	92.0	93.7	94.3	94.4	95.2	95.6	96.1	97.2	97.3	98.0	98.5	98.5	98.9	99.1	99.4	99.4
≥ 200	92 . d	93.7	94.3	94.4	95.2	95.6	96.1	97.2	97.3	96.0	98.5	98.5	99.0	99.2	99.5	99.9
<u>> 100</u>	92.0	93.7	94.3	94.4	95.2	95.6	96.1	97.Z	97.3	98.0	98.5	98.5	99.1	99.4	99.6	100.0
<u> </u>	92.0	93.7	94.3	94.4	95.2	95.6	76.1	97.2	97.3	98.0	98.5	98.5	99.1	99.4	99.6	100.0

USAF ETAC 1004 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIF REATHER SERVICE/MAC

2

C

CEILING VERSUS VISIBILITY

72569 NATRONA CO/CASPER MY

73-81

MON'H

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

No fellow 41.2 41.3	EUNG	ĺ						V151	BILLEY STA	ITUTE MILE	\$						
2 700	FEET	≥10	≥6	≥ 5	≥4	د≤	≥2 :	≥ ?	≥1	≥1 .	≥ ·	≥ 4	≥ ,	≥ . :	≥5 16	2.	≥0
18000 54.4 54.5		41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
Second S	± 20006	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
1400 55.1		54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5		54.5	54.5	54.5	54.5	54.5	54.5	54.5
2 1000	≥ +5006	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
2 1000 62.5 62.6 62.6 62.6 62.6 62.6 62.6 62.6		5 5. 0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
2 9000 63.5 63.6 63.6 63.6 63.6 63.6 63.6 63.6	≥ +2000	59.4	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
2 80:00	_	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2 7000 65-7 65-8 65-8 65-8 65-8 65-8 65-8 65-8 65-8	≥ 9000	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
1000 1000		64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
2 5000 77.3 77.4 77.4 77.4 77.4 77.4 77.4 77.4	2 7000	65.7	65.6	65.6	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2 4000		69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2 4000 81. 81. 2 8	2 5000			77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
2 3500 83.5 83.7 83.7 83.7 83.7 83.7 83.7 83.7 83.7	-	79.0			79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
3000 85.7 85.9 85.9 85.9 85.9 85.9 85.9 85.9 85.9	2 4000			81.2			81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
2 2500 87.1 87.6 87.6 87.6 87.6 87.6 87.6 87.6 87.6				83.7	83.7	83.7		83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
2 2000 88.3 89.6 89.7 89.7 90.0 90.0 90.0 90.0 90.0 90.0 90.0 9	3006		85.9		85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2 1806 89.1 90.4 90.6 90.9 90.9 90.9 90.9 90.9 90.9 90.9		87.1	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
2 100. 89.7 91.1 91.6 91.6 92.0 92.0 92.0 92.0 92.0 92.0 92.0 92.0	2006				89.7	90.0		90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
2 1000 91.0 92.6 93.2 93.8 93.8 93.8 93.8 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3	-	89.1	1	90.6	90.6	1			90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
2 100. 91.1 93.3 93.8 94.0 94.7 94.7 94.8 95.2 95.6 95.6 95.6 95.6 95.6 95.6 95.6 95.6	2 1500	1 1	91.1	91.6	91.6		92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
- 900 91.3 93.7 94.4 94.8 95.6 95.7 96.1 96.6 96.6 97.2 97.3 97.3 97.3 97.3 97.3 97.3 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5		90.9	92.6	93.2	93.3	93.8	93.8	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
2 800 91.3 93.7 94.4 94.8 95.6 95.7 96.1 96.6 96.6 97.2 97.2 97.3 97.3 97.3 97.3 97.3 97.3 97.3 97.3	≥ 1000		93.3	93.8	94.0	94.7	94.7	94.8	95.2	95.2	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2 700 91.3 93.7 94.4 94.8 95.6 95.7 96.1 96.6 97.3 97.3 97.3 97.5 97.5 97.5 97.5 97.5 97.5 97.5 97.5			93.4	94.2	94.4	95.Z	95.3	95.6	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3
2 000 91.3 93.7 94.4 94.8 95.6 95.7 96.1 96.8 96.8 98.1 98.4 98.4 98.4 98.4 98.4 98.4 98.4 98.4	≥ 800		93.7	94.4	94.8			96.1	96.6	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3
2 300 91.3 93.8 94.6 94.9 95.8 95.9 96.6 97.3 97.3 98.9 98.9 99.1 99.1 99.1 99.1 99.1 92.7 92.7 92.7 92.7 92.7 92.7 92.7 92.7	≥ 700	91.3	93.7	94.4	94.8	95.6	95.7	96.1	96.6	96.6	97.3	97.3	97.5	97.5	97.5	97.5	97.5
2 400 91.3 93.8 94.6 94.9 95.8 95.9 96.6 97.3 97.3 99.0 99.0 99.2 99.5 99.7 99.7 99.7 99.2 300 91.3 93.8 94.6 94.9 95.8 95.9 96.6 97.3 97.3 99.0 99.0 99.2 99.6 99.9 99.9 99.9 91.3 93.8 94.6 94.9 95.8 95.9 96.6 97.3 97.3 99.0 99.0 99.2 99.6100.0100.0100.0100.0100.0100.0100.01	≥ 600	91.3	93.7	94.4	94 . 8	95.6	95.7	96.1	96.8	96.8	98.1	98.1	98.4	98.4	98.4	98.4	98.4
2 300 91.3 93.8 94.6 94.9 95.8 95.9 96.6 97.3 97.3 99.0 99.0 99.2 99.6 99.9 99.9 99.2 200 91.3 93.8 94.6 94.9 95.8 95.9 96.6 97.3 97.3 99.0 99.0 99.2 99.6100.0100.0100.0100		91.3	93.8	94.6	94.9	95.8	95.9	96.6	97.3	97.3	98.9	98.9	99.1	99.1	99.1	99.1	99.1
200 91.3 93.8 94.6 94.9 95.8 95.9 96.6 97.3 97.3 99.0 99.0 99.2 99.6100.0100.0100	≥ 400	91.3	93.8	94.6	94.9	95.8	95.9	96.6	97.3	97.3	99.0	99.0	99.2	99.5	99.7	99.7	99.7
7.14 7.30 740 740 730 730 730 7703 7700 7700 77		91.3	93.8	94.6	94.9	95.8	95.9	96.6	97.3	97.3	99.D	99.0	99.2	99.6	99.9	99.9	99.9
	≥ 200	91.3	93.8	94.6	94.9	95.8	95.9	96.6	97.3	97.3	99.0	99.0	99.2	99.6	100.0	100.01	00.0
	≥ 100	91.3	93.8	94.6	94.9	95.8	95.9	96.6	97.3	97.3	99.D	99.0	99.2				
≥ 0 91.3 93.8 94.6 94.9 95.8 95.9 96.6 97.3 97.3 99.0 99.0 99.2 99.6100.0100.0100	_ ≥ 0	91.3	93.8	94.6	94.9	95.8	95.9	96.6	97.3	97.3	99.0	99.0	,				- 1

USAF ETAC 101.54 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

, ?.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

725690 73-81 NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING	-				á		v15II	BILITY STA	Tufe Mile	S						
FEET	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ ?	≥`	21.	≥:	i	≥ .	2	≥ 5 10	> .	≥0
NO CELING	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9		47.9
≥ 20000	60.9	60.9	60.9	60.9	60 . 9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9		60.9
≥ 18000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	1	60.9
. ≥ 15000	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9		60.9	60.9	60.9	60.9		60.9
≥ 14000	62.1	62.0	62.0	62.C	62.0	62.0	62. Q	62.Q	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
≥ 12000	65.0	65.0		65.0		65.0	65.0	65.Q	65.0	65.0	65.0	65.0	65.0	65.0	65.0	
> 10000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.5	68.3	68.3	1
≥ 9000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2			
≥ 8000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	
≥ 7000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6		73.6
≥ 6000	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 5000	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4		
≥ 450C	81.8	81.4	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	
≥ 4000	83.3	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6		83.7
2 3500	83.8	84.0	84.1	84.1	84 - 1	84.1	84.1	84.1	84 - 1	84.1	84.1	84.1	84.1	04.1	84.1	84.4
≥ 3000	86.0	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	
≥ 2500	86.6	87.9	88.0	88.0	88.1	88.1	85.1	88.1	88.1	88.1	88.1	88.1	68.1	00 5	88.1	88.3
≥ 2000	87.5	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5		89.5	90.2	
2: 180C	87.8	89.6	89.8	87.7	90.0	90.0	90.2	90.2	90.2	90.2	90.2	90.2	_			- ;
≥ 1500	88.5	90.8	91.2	91.4	91.7	91.7	92.0	92.2	92.2	92.2	92.2	92.2				
≥ 1200	89.4	92.2	1	93.6	93.8	93.8	79.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	
≥ 1000	89.5	92.6	93.6	93.9	94.3	94.3	79.7	94.9	77.7	95.2	95.2	95.2		95.2		
≥ 90C	89.8		93.9	94.4	94.9	94.9	95.5	95.7	95.7	96.0	96.0	96.0		97.1	97.1	97.2
≥ 800	89.9			94.6	95.3	95.3	95.0	V0.5	70.3	70.0	97.0	7101	97.1	97.6		
≥ 700	90.0		94.4	94.9	95.6	75.6	76.1	70.0	70.	77.2	9703	98.0	98.0			
≥ 600	90.2		94.6	95.2	95.4	95.8	76.3	75.5	97.0	7/03	7/07	70.0	98.7	98.7	98.7	98.9
. 500	90.2		94.7	95.3	96.0	76.U	96.3	7/.3	97.5	78.1	70.0	70.7	90 7	99.2	99 7	70.7
2 400	90.3			95.5	76.1	76.1	76.5	7/05	7/.0	78.4	99.0	99.7	99.9	77.2	99.9	100.0
2 300	90.3		1	95.8	96.5	70.3	77.1	98.0	70.1	98.7	77.0			77.7		
≥ 200	90.1	L		95.8	96.5	76.5	97.1	98.0	70.1	70.1	99.6	99.7	99.9	99.9	+	100.0
≥ 10C	70.3	93.8		95.8	96.5	96.5	97.1	98.0		98.7	99.6	99.7	1 11 11	99.9		100.0
≥ 0	90.3	93.8	95.1	95.8	96.5	96.5	97.1	98.0	98.1	98.7	77.0	7701	7767	7707	7767	

792 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM AME OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725699 NAT

2

NATRONA CO/CASPER WY

73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

ELING FEET							¥1\$1	BILLITY STA	ATUTE MILE	<u> </u>						
	≥10	≥6	≥ 5	2.4	≥ 3 '	22.	≥ 7	≥1.	≥1.	≥ 1	≥ .	٤٠	2 .	25 16	2 •	≥ 0
NO CHUNG	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 14000	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ '2000	67.6	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 10000	70.5	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 9000	71.9	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000	72.9	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 2000	75.3	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 60'00	76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 5000	79.5	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 450C	80.0	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.7	80.7	80.7	80.7	60.7	80.7	80.7
≥ 4000 !	81.Q	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 3500	81.7	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 3000	82.4	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	83.7	84.9	84.9	84.9	84.9	84.9	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 2006	84.7	86.5	86.5	86.5	86.6	86.6	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
2 1800	84.9	86.6	86.8	86.8	86.9	86.9	87.0	87.0	87.0	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1500 ·	85.5	87.8	88.0	88.2	88.3	88.3	88.7	88.7	88.7	88.8	88.8	86.8	88.8	88.8	88.8	88.8
2 1200	86.9	90.2	90.6	90.7	90.8	90.8	91.3	91.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 1000	87.2	90.6	91.1	91.3	91.6	91.7	92.6	93.0	93.0	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2 900	87.4	93.8	91.5	91.7	92.0	92.1	93.1	93.8	93.8	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 800	87.9	91.7	92.5	92.7	93.0	93.1	94.3	94.9	94.9	95.5	95.7	95.7	95.7	95.7	95.7	95.7
2 700	88.3	92.5	93.3	93.6	94.0	94.3	95.7	96.3	96.3	97.2	97.3	97.3	97.3	97.3		97.3
2 600	88.9	93.1	93.9	94.3	94 . 7	94.9	96.4	97.2	97.2	98.3	98.5	98.5	98.5	98.5	98.5	98.5
500	89.1	93.3	94.3	94.7	95.0	95.3	96.8	97.7	97.7	77.0	99.1	99.1	99.2	99.2	99.2	99.2
≥ 400	89.1	93.5	94.5	94.9	95.3	95.5	97.1	94.1	98.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7
2 300	89.1	93.5	94.5	94.9	95.3	95.5	97.1	98.1	98.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7
200	89.1	93.5	94.5	94.9	95.3	95.5	97.1	98.1	98.1	99.5	99.6	99.6	99.7	99.7	99.7	99.7
/UKu	89.1	93.5	94.5	94.9	95.3	95.5	97.1	98.1	98.1	99.5	99.7	99.9	00.0	00.0	100.0	
ž 0	89.1	93.5	94.5	94.9	95.3	95.5	97.1	98.1	98.1	99.5	99.7		100.0			

TOTAL NUMBER OF OBSERVATIONS 78

USAF ETAC 140 0-14-5 (QL A) MEVIOUS EDITIONS OF THIS FORM ARE DISOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

CEIDNO							r1\$1	BILITY STA	LTUTE MILE	\$,
FEE!	≥10 '	≥ 6	≥ 5	≥ 4	¿ ;	22:	2.7	≥1.	≥1.	≥'	2.4	≥ .	2	25 16	· ·	≥÷ ,
NO CEIUNO ≥ 20000	50. ¥	51.2	51.2 60.2	51.2 60.3	51.2	51.2	51.2 60.3	51.2	51.2 60.3	51.3	51.3 60.4	51.3		51.3	51.3	51.4
≥ 18000 ≥ 5000	59.9 60.0	60.3	60.2	60.4	60.4	60.3	60.4	60.3	60.3 60.4	60.4	60.4 60.4	60.4	60.5	60.4	60.5	60.4 60.5
≥ 14000 ≥ 12000	60.5	60.8	60.8	60.9 63.1	60.9	60.9	60.9 63.2	60.9	60.9 63.2	60.9	61.0 63.2	61.0	61.0 63.2	61.0 63.2	61.0 63.3	61.0
≥ 9000 ≥ 10000	65.5 66.6	66.9	65.8	65.8 67.0	65.9 67.0	65.9 67.0	65.9	65.9	65.9	65.9 67.1	65.9 67.1	65.9	66.Q 67.1	66.0	66.0 67.1	66.0
≥ 8000 ≥ 7000	69.3	67.9	68.0	68.0 69.6	69.6	69.6	68.1 69.7	68.1	68.1	68.1	68.1	68.1 69.7	68.1 69.7	68.1	68.2	68.2
≥ 6000 ≥ 5000	71.0 75.0	71.3	71.3	71.4	71.4	71.4	71.4	71.4 75.5	71.4	71.5	71.5	71.5	75.5	71.5	71.5	71.6
4500	76.1 77.8 79.3	78.1	78.2	78.2	76.5	76.5 78.2 79.9	76.5	78.3	76.6	76.6	76.6	76.6	78.3	76.6	76.6	76.7
2 3500 2 3000	81.3	79.7 81.6	79.8 81.9	79.8 82.0	79.9 82.0	82.0	79.9 82.0	79.9 82.1	79.9 82.1	79.9 82.1	82.1	80.0 82.1 84.2	82.2	80.0 82.2 84.3	80.0 82.2 84.3	80.1
2 2500 2000 2000	84.7	85.9	86.1	86.2	86.4	86.4 87.0	86.4	86.5		86.6	86.6	86.6	86.6	86.6	86.6	86.7
2 15/4	86.1	87.6	88.0	88.2	88.5	88.5	88.7	88.9	88.9	88.9	89.0	89.0 91.1	89.0	89.0 91.1	89.0	89.1
2 100C	87.6	90.2	90.3	90.7	91.2	91.2	91.7	92.9	92.1	93.3	92.5	92.5		92.5	92.5	92.6
≥ BCR - 70%	88.1	90.7	91.5	91.9	92.6	92'-7	93.3	93.9	93.9	94.4	94.5	94.6	94.6	94.6	94.6	94.7
5 9X	88.5	91.5	92.4	92.7	93.5	93.7	94.3	95.1 95.6	95.1	95.8	96.8	96.9	96.1	96.1	96.1	96.2
4.X	88.5	91.9	92.9	93.5	94.4	94.6	95.6	96.2 96.5	96.3	97.5	98.7	97.8		98.1	98.1 98.7	98.8
2 .00 - 100	88.9	91.9	1 2 7	93.7	94.7	94.9	95.7	96.6			98.3			99.0		99.8
1 2 1	88.9	91.9	93.1	93.7	94.7	94.9	95.7	96.6	96.7	97.8	78.4	98.5	99.0	99.2	99.5	100.0

73-81

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC - 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GECBAL CLIMATOLOGY BRANCH SAFETAC AIP REATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72569 NATRONA CO/CASPER HY

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0000-0200

BaNo							VISI	BILTY STA	TUTE MILE	5						
*FET *	₹,0	≥6	≥'	<u> </u>	23	22.	≥ /	اٰج	≥ .	≥'	≥ .	≥ .	≥ .	≥5 '6	2.	20
NO LEUNG	60.0	60.0		60.0												
± 2-90xx)	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 1800€	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 16000	65.3	65.3	65.3	65.3	65.3	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 140K	66.7	66.7	66.7	66.7	66.7	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
2000	68.3	68.3	68.3	68.3	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 100000	71.2	71.2	71.2	71.2	71.2	71.2	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
. ≥ 9000	73.7	73.7	73.7	73.7	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
800G	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
2 7000	76.0	76.0	76.Q	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	78.7	78.0	78.0	78.0	78.0	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
5000	79.2	79.2	79.2	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2 450%	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
± 400k	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
2 3500	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82 . D	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
2 3000	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
2506	85.8	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
2 20mX	86.7	67.d	87.1	87.1	87.1	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
1800	67.3	87.7	87.9	87.9	87.9	87.9	88.0	88.0	88.0	88.D	86.0	88.0	88.0	88.0	88.0	88.0
15.80	88.0	89.1	89.3	89.3	89.3	89.3	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
2 1700	88.2	89.7	90.0	90.0	90.3	90.3	90.8	90.8	90.8	90.6	90.8	90.8	90.8	90.8	90.8	90.8
≨ takβ6	88.5	90.2	90.7	90.7	90.9	90.9	91.5	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
, 0)X:	88.7	93.4	90.9	90.9	91.3	91.3	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
_ 80C	89.0	91.0	91.6	91.6	92.0	92.1	92.7	92.8	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1
7.K	89.0	91.4	92.0	92.d	92.4	92.5	93.1	93.2	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 80X		91.7				-		- 1			1					
500	89.9	92.6	93.7	93.8	94.2	94.3	94.9	95.3	95.4	93.6	95.9	95.9	96.0	96.0	96.0	96.0
4-30	90.5	93.8	94.8	94.9	95.4	95.6	96.2	96.6	96.7	97.0	97.2	97.2	97.3	97.3	97.3	97.3
- 2. W	90.8	94.2														
		94.5														
		94.5														
		94.5				· · ·,		/	,	,						
		, 41.5	, , , ,	,,,,,			,,,,,,		,,,,,	7007	.,,,,,	,,,,,		,,,,,,		

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC ... 0-14-5 (OL A) mevious portions of this folial are desoute

SLOBAL CLIMATOLOGY BRANCH

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NATRONA CO/CASPER WY

2

72569

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE J300-0500 FROM HOURLY OBSERVATIONS: DISIRETY STATUTE MUES 2 8000 2 7000 5000 80.6 80.6 ± 4000 350 ; (800 -----88.3 89.3 89.9 90.4 90.9 91.0 91.8 92.0 92.0 92.1 92.2 92.2 92.2 92.2 92.3 92.3 88.3 89.3 89.9 90.4 91.0 91.2 92.2 92.3 92.3 92.4 92.6 92.8 92.8 92.8 92.9 82.9 88.8 89.8 90.5 91.0 91.8 92.1 93.1 93.3 93.3 93.4 93.8 93.8 93.8 93.8 93.9 93.9 89.3 90.5 91.4 91.8 92.1 93.1 93.1 93.3 93.3 93.4 93.8 93.8 93.8 93.8 93.9 93.9 89.9 91.4 91.8 92.8 92.1 93.1 94.2 94.4 94.4 94.5 94.9 94.9 94.9 94.9 95.0 95.0 89.6 91.5 92.3 92.9 94.3 94.8 96.0 96.2 96.2 96.3 96.7 96.7 96.7 96.7 96.8 96.8 89.6 91.6 92.6 93.2 94.6 95.1 96.7 97.1 97.1 97.6 97.9 97.9 98.1 98.1 98.2 98.2 89.9 92.0 93.5 94.3 96.1 96.6 98.3 98.7 98.7 99.1 99.6 99.6 99.8 99.8 99.9 99.9 89.9 92.0 93.5 94.3 98.1 96.6 98.3 98.7 98.7 99.1 99.6 99.8 99.8 99.8 99.9 99.9

89.9 92.0 93.5 94.3 96.1 96.6 98.3 98.7 98.7 99.1 99.6 99.6 99.8 99.8 99.9100.0

73-81

TOTAL NUMBER OF OBSERVATIONS 821

USAF ETAC - 0-14-5 (OL A MEVIOUS EDITIONS OF THIS FORM ARE DESOLETE

1

.....

GLIBAL CLIMATOLOGY BRANCH

BRAFETAC

2

AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725691 NATRONA CO/CASPER MY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

JISS. TH. STATUTE MILES

0600-0800

≥ 10(00¢ 89.5 91.0 92.7 93.8 95.1 95.2 95.9 96.7 96.7 97.4 98.9 98.9 99.6 99.6 99.8 99.8 89.5 91.0 92.7 93.8 95.1 95.2 95.9 96.7 96.7 97.4 98.9 98.9 99.6 99.6 99.8 99.8 89.5 91.0 92.7 93.8 95.1 95.2 95.9 96.7 96.7 97.4 98.9 98.9 99.6 99.6 99.8 99.8

> 821 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

	NATIONA COUNTITIONS	L TECHNICAL APPLICATIONS CENTE WYOMING. REVISED UNIFORM SUMM	RETC F/G 4/2 ARY OF SURFETC(U)
UNCLASSIFIED	JUL 82 USAFETAC/DS-82/041	S81-AD-E850 200	NL
30-6 2-8-6-8			

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725697

2

NATRONA CO/CASPER WY

73-81

WORLD.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

D900-1100

TE (NOT)							v:\$!	BILITY STA	ty1€ ∀ ik€	5						i
FEE *	5,0	≥6	≥ 5	≥ 4	د ځ	≥2;	± 2	≥1.	≥1.	≥'	2.4	≥ ,	2 ,	≥5 16	≥.	≥0 :
NO LENING	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 20000		62.4		62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ :8000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4		62.4		62.4	62.4	62.4	62.4	
7 1500C	62.6	62.6	62.6	62.6	62.6	62.6	62.6			62.6					62.6	
	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5		64.5	_1	7.14		64.5	64.5	
200.	66.7	66.7	66.7	66.7	66.7	66.7	66.7		66.7			66.7			66.7	
- TOUCH	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 9000	71.5	71.5	71.5	71.5	71.5	71.5	71.5		71.5			71.5		71.5	71.5	
900G	72.0	72.0	72.0	72.0	72.0	72.0				72.0	72.0	72.0		72.0		72.0
2 7000	72.7	72.7	72.7	72.7	72.7	72.7	72.7			72.7	72.7	72.7	72.7	72.7		72.7
± 600€	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	
≥ 5000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.4	74.8		74.8	74.8		74.8	74.8	74.8
2 4500	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5		75.5	75.5	_ : :}
4000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.4		78.8	78.8	78.8		78.8		
≥ 3500	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	1	81.5	81.5			81.5	81.5	
2 3000	82.9	83.3	83.3	83.3	83.3	83.3	83.3	83.3		83.3	83.3	83.3	83.3	83.3		83.3
2500	84.8	85.1	85.2	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	. 1	1		[
± ≥ 2000	86.5	86.8	87.0	87.0	87.1	87.1	87.1	87.1		87.1	87.1	87.1		87.1	87.2	
2 'ROC	87.3	B7.7	87.8	87.8	87.9		87.9			87.9	87.9	87.9	1	87.9	7.1.7.1	
≥ 1500	89.0	89.4	89.5	89.6	89.8	89.8	89.8	89.9		89.9	89.9	89.9	89.9	89.9		91.5
≥ 1200	89.6		90.5	90.7	91.0	1					91.5	91.5	A1.3	91.5	93.4	
: 100x	90.5		91.8	92.1	92.6	92.6	92.6	92.9		93.3	93.4	93.4	93.4	93.4		
3 400	91.0		- 1	92.7	93.3	93.3	93.4	93.6	93.8	94.1	94.3	74.3	94.3	77.3	94.3	
. ≥ 80€	91.5			93.9	94.5	94.5	94.8	95.1	95.1	95.5	95.6	Y3.0	75.6	73.0	96.2	95.6
· 706	91.6			94.4	95.0						96 · Z	70.4	75.4	96.Z	7 - 7	96.2
. ≥ 600	91.6					95.5			96.2		97.0	97.0	77.1	97.1	97.1	
500	91.6	1		94.9	7 - 1	95.7	96.1			97.2	77.4	97.9	7/.9	97.6		97.6
≥ 400		93.4							97.3		98.2	78.4	78.3	78.4	98.4	98.4
2 300	91.6	93.4	94.4	95.2	96.1	96.2	96.6		- 1		98.7	78.7	98.8	99.0		99.0
2 200	91.6		94.4	95.2	96.1	96.2			97.6						100.0	
<u> </u>	71.5		. 1			96.2				98.0						
- * v	91.6	93.4	94.4	95.2	96.1	96.2	96.6	97.3	97.6	98.0	78.9	78.7	77.8	T00.0	100.0	100.U

TOTAL NUMBER OF OBSERVATIONS_

82

USAF ETAC 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

72**569**7

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MAY 1200-1400

Est No.							VIŞI	BILITY STA	TUTE MILE	5						1
FEE	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2.	≥2	≥) :	≥' .	≥1	≥ .	≥ .	2	≥5 16 ,	2.)	≥0
NO CERINO	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
± 2,9000	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
≥ 18000	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
æ 1600G	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 1400C	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
2,17000	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
<u>≥ 1000C</u>	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 9000	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
> 8000	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 7000	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 5000	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
₹ 4500	77.6	77.7	77.7	77.T	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400C	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3500	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.D
≥ 3000	88.1	88.2	88.2	88.2	88.2	88.2	38.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
<u>></u> 2500	89.3	89.5	89.8	89.8	89.9	89.9	87.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
2 2000	90.5	91.1	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
800	91.4	92.0	92.1	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1500	91.6	92.3	92.4	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 120u	92.5	93.1	93.4	93.6	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 1000	92.9	93.6	94.3	94.7	95.1	95.1	95.1	95.Z	95.2	75.2	75.2	95.2	95.Z	95.2	95.2	75.2
~ 90C	93.0	93.7	94.7	95.1	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
. 80x	93.Z	94.0	95.1	95.6	95.7	76.1	96.1	76.3	96.3	96.3	96.3	76.3	76.3	96.3	96.3	96.3
2 700	93.2	94.Z	95.6	96.3	96.7	96.8	96.8	97.0	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 600	93.2	94.3	95.7	96.6	97.2	97.3	97.3	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8
.: 500	93.6	94.7	96.3	97.Z	97.8	97.9	97.9	98.Z	98.2	78.4	98.5	98.5	98.5	98.5	98.5	98.5
2 400	93.6	95.0	96.6	97.9	98.0	98.2	98.2	78.4	78.4	78.6	78.8	78.8	78.8	98.8	98.8	98.8
2 30k	93.6	95.0	96.7	97.5	98.Z	74.3	98.3	98.5	78.5	78.8	99.0	99.0	99.1	99.1	99.1	99.1
2 200	93.7	95.1	96.8	97.7	78.3	78.4	98.4	98.6	98.6	78.9	79.3	77.4		100.0		
, ot	93.7	95.I	76.5	97.7	98.3	78.4	98.4	98.6	78.6	78.7	99.3	99.4	99.5		- -	100.0
2	93.7	95.1	96.8	97.7	98.3	98.4	98.4	98.6	98.6	78.9	99.3	99.4	99.5	100.0	100.0	100.0

73-81

813 TOTAL NUMBER OF OBSERVATIONS_

GLOPAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725697

2

NATRONA CO/CASPER WY

73-81

MAY MON'-

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

TEILING							ViSI	BILITY STA	TUTE MILE	5						
FEET	≥10	≥6	≥5	≥ 4	≥ 3	22 :	≥ 2	≥1.	≥1.	2	٤٠.	≥ •	<u> </u>	25 10		≥3
NO CEILING	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥ 20000	52.4	52.4	52.4		52.4	52.4		52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 8000	52.4	52.4		52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 18000	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 1400€	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.Z	54.2	54.2	54.2	54.2
≥ 12000	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.4	56 · a	56.8	56.8	56.8	56.8	56.8	56.8	56.8
. 9000	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 9000	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 3000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 7000	65.1	65.1	65.1	65.2	65.2	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 6000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 5000	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.Z
> 4500	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≟ 4000	87.0	87.0	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 3500	88.4	88.4	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
.2 3000	89.9	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 2500	91.5	92.0	92.2	92.2	92.2	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
2000	91.8	92.4	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 1800	91.9	92.5	92.8	92.8	92.5	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
± 1500	92.1	92.7	93.1	93.2	93.2	93.2	1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	92.6	93.3	93.8	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1000	93.3	94.4	95.3	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
90C	93.5	94.5	95.4	95.9	95.9	96.0	96.2	94.4	04.4	96.4	94.4	04.4	94.4	94.4	94.4	96.4
2 800	93.5	94.7	95.8	96.4	96.4	94.4	96.7	94.8	94.8	94.8	24.6	94.8	94.8	94.9		96.8
	93.7	94.9	96.1	96.7	96.7	64.1	97.1	67.3	67.3	67.3	67.3	67.3	97.3	97.2	97.3	97.2
2 700	93.7	94.9	96.1	96.7	94.7		97.1	97.3	07.2	97.2	97.3	97.2	97.Z	97.2	97.2	97.2
	94.1	95.4	96.8	97.5	97.6	97.7	97.9	98.1	44 1	44.1	98.1	7111	 	98 1	7,10	98.1
≥ 500 ≥ 400	94.1	95.4	96.8	97.7	97.9	64.1	98.2	60.4		90 E		00.5	98.7	98.7	98.7	7
	94.2	95.9				7004	7003	7007	7007	7007	7003	70.3			700 /	700/
2 300 2 200			97.0	97.4	98.1	98.2	70.3	70.7	70.9	77.3	77.7	77.7	99.5	99.5	77.3	77.3
— ··-	94.2	95.5	97.0	7/00	75.1	70.4	78.7	70.7	70.7	77.7	77.3	77.3	99.8	77.8	77.0	77.5
≥ 100	94.2	95.5		97.9	75.2	78.3	75.5	77.0	97.0	77.5	77.0	77.6	99.9		100.0	
(• ≥ °	94.2	95.9	97.1	97.9	98.2	98.3	75.5	77.0	99.Q	77.5	77.6	77.6	77.7	77.7	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS

825

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72569P

NATRONA CO/CASPER WY

73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEIUNG	•						VISI	BILITY STA	TUTE MILE	:\$						
FEET	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥?	≥1:	≥1.	≥1	2 4	≥ •	2.	≥5 16	٤.	≥0
NO CEIUN	47.5	47.5	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 20000	0 60.6	60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 18000		60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 16300		60.6	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 14000		62.1	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
. ≥ 12000		65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 10000		68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.Q	69.0	69.0	69.0	69.0
≥ 9000		72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 8000		74.8	75.0	75.0	75.0	75.0	75.D	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 7000		76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 6000		79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000		82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500		84.3	89.9	84.4	84.4	84.4	84 - 4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4000		87.6	88.0	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥ 3500		88.6	88.9	88.9	88.9	89.1	89.1	89.1	89.7	59.1	69.1	89.1	89.1	69.1	89.1	89.1
≥ 3000		70.9	71.3	71.3	71.3	71.4	91.4	71.4	71.4	71.4	91.4	71.4	71.9	71.4	71.4	71.4
≥ 2500		72.0	72.5	72.5	72.5	72.6	72.6	92.6	92.6	72.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 2000		92.5	93.1	73.1	73.1	73.2	73.2	73.Z	73.Z	93.Z	93.Z	93.Z	93.2	93.2	93.Z	93.2
≥ 1800		72.6	93.2	73.2	75.2	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	93.3	93.3	93.3
≥ 1500		92.5	73.6	73.6	93.6	93.7	93.7	93.7	93.7	73.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1200		73.9	74.3	74.4	79.7	74.8	74.0	74.9	94.9	79.7	74.9	74.9	74.9	74.9	94.9	74.9
≥ 1000		93.7	74.7	74.8	75.U	75.1	75.1	95.3	95.3	95.3	75.5	75.3	75.3	95.3	95.3	95.3
≥ 900		73.4	74.8	74.9	75.1	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 800	1 7 7 7	79.2	75.1	73.3	75.5	75.6	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
. ≥ 700		77.5	75.0	75.7	76.0	76.1	76.9	76.0	70.6	76.0	76.6	76.6	76.6	76.6	76.6	76.6
≥ 60	1 1	74.7	75.9	76.0	70.2	76.5	76.7	77.0	77.0	77.0	77.0	97.0	97.0	97.0	97.0	97.0
± 500 ≥ 400		73.1	70.5	70.7	7740	77.Z	77.6	77.5	77.5	77.5	75.3	78.1	78.1	75.1	75.1	98.1
	-+	75.5	70.0	70.0	7/.1	77.4	77.7	78.3	78.3	75.5	78.7	78.7	75.7	78.7	75.7	78.7
2 300		75.4	76.7	77.0	77.3	77.7	75.5	78.5	75.8	75.9	77.1	77.1	77.1	79.1	77.1	99.1
200		75.4	76.7	77.00	77.4	77.5	75.7	77.0	77.1	77.3	77.5	77.8	77.7	77.9	99.9	79.7
j <u>></u> 101		75.7	75.5	77.3	77.6	77.9	75.5	77.1	77.3	77.5	77.7	77.7	100.0	,		100.0
≥ '	93.9	95.4	76.8	97.1	77.6	97.9	75.8	79.1	77.3	77.4	77.9	77.7	100.0	100.0	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS 823

USAF ETAC 100 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

72569 NATRONA CO/CASPER MY

73-81

MONTH -

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CELLING							v*SI	BILITY STA	TUTE MILE	5						
' FEE!	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2.	≥ 2	≥'	≥1.	≥1	2.	≥ •	≥.	≥ 5 16 :	2.	≥0
NO FILIP	58.3	58.3	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4	58.4
2 20000	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ :8000		65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
= 2000	65.5	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.4	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4000	66.8	66.8	67.0	67.0	67.0	67.0	67.d	67.0	67. d	67.d	67.0	67.d	67.0	67.0	67.0	67.0
2 12,400		68.8	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	58.9	68.9
1000c		71.8	72.0	72.0	72.0	72.0	72.0	72.0	72.q	72. q	72.Q	72.0	72.Q	72.0	72.Q	72.0
≥ 9000		73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 8000	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
2 7000	○ , 75.7	75.7	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 6000		77.7	77.8	77.6	77.6	77.8	77.8	77.4	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
. ≥ 5000	79.9	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
2 450X		82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000	83.7	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 3500		85.7	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	45.9	85.9	\$5.9	85.9	85.9	85.9
≥ 3000	86.3	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 2500	87.1	88.0	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	48.3	88.3	88.3	88.3	88.3	88.3
≥ 200	88.9	90.1	90.2	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1800	89.3	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1500	89.8	91.1	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 120		91.8	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1000	90.9	92.4	92.9	93.0	93.0	93.Q	93.Q	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 90	c 91.5	93.3	93.5	93.9	94.0	94.0	94.1	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 800	92.1	94.0	94.6	95.0	95.1	95.1	95.2	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 70	0 92.1	94.0	94.6	95.0	95.1	95.1	95.2	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 600	0 92.7	94.6	95.5	95.9	96.0	96.0	96.1	96.5	96.7	96.8	97.Q	97.0	97.0	97.0	97.Q	97.0
≥ 50		95.0	96.0	96.3	96.5	96.5	96.7	97.1	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400		95.2	96.3	96.7	96.0	97.1	97.3	97.7	98. q	98.2	98.3	98.3	98.3	98.3	98.3	98.3
≥ 30	93.0	95.5	96.7	97.1	97.3	97.6	98.0	98.4	78.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	∘ 93∙⊈	95.5	96.7	97.1	97.3	97.6	98.0	98.4	99. a	99.3	99.4	99.4	99.8	99.8	99.8	99.8
≥ 104	c 93.0	95.5	96.7	97.1	97.3	97.6	98.0	98.4	99.0	99.3	99.4	99.4	99.9	99.9	100.0	100.0
2	93.4	95.5	96.7	97.1	97.3	97.6	98.Q	78.4	99.0	99.3	99.4	99.4	99.9	99.9	100.0	100.0

OTAL NUMBER OF OBSERVATIONS

820

USAF ETAC 10104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

72569 NATRONA CO/CASPER MY
73-81
PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING							viSI	BILITY STA	TUTE MILE	5						1
FFET	≥10	≥6	≥ 5	≥ 4	≥3	<u>2</u> 2:	≥2	≥\	≥1.	≥!	24	≥ .	≥ :	≥5 16	2 .	≥0
NO CEILING ≥ 20000	51.8 61.4	51.8 61.4	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9 61.5	51.9
≥ 18000 ≥ 16000	61.4	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6	61.6
≥ 14000 ≥ 12000	63.0 65.3	63.0 65.3	63.0 65.3	63.0 65.3	63.1	63.1 65.3	63.1	63.1 65.4	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 10000 ≥ 9000	68.2 69.9	68.2	68.3 70.0	68.3 70.0	68.3 70.0	68.3 70.0	68.3 70.0	68.3	68.3 70.0	68.3 70.0	68.3 70.0	68.3 70.0	68.3	68.3	68.3 70.0	68.3 70.0
≥ 8000 ≥ 7000	71.2 72.6	71.2	71.3 72.6	71.3 72.6	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3 72.7	71.3 72.7	71.3 72.7	71.3 72.7
≥ 8000 ≥ 5000	75.0 78.3	75.0 78.3	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.1 78.4	75.2 78.5	75.2 78.5
≥ 4500 ≥ 4000	79.9 82.5	80.0 82.6	80.0 82.7	80.0 82.7	80.0 82.7	80.0 82.7	80.1 82.7	80.1 82.7	80.1	80.1 82.7	80.1	80.1	80.1	80.1 82.7	80.1	80.1
≥ 3500 ≥ 3000	84.2	84.3	84.5 86.2	84.5	86.2	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6	84.6
≥ 2500 ≥ 2000	87.1 88.1	88.5	87.6	87.6	88.9	87.6	88.9	87.7	88.9	87.7	88.9	87.7	87.7	87.7 88.9	87.7 89.0	87.7 89.0
≥ 1800 ≥ 1500	88.5	89.9	90.2	89.3 90.3	90.5	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	89.5 90.7	90.7
≥ 1200 ≥ 1000	89.9 90.5	90.7	91.2 92.1	91.4	91.6	91.7 92.7	91.8	93.0	93.0	91.9	93.1	91.9	91.9	91.9	92.0 93.1	93.1
≥ 900 ≥ 800	90.8	92.3	92.5 93.1	93.5	93.1	93.2	94.3	94.6	94.6	93.7	94.8	73.8	94.8	93.8	93.8	93.8
≥ 700 ≥ 600	91.2 91.5	92.9	93.5	94.4	94.9	95.0	95.4	95.7	95.7	95.2	96.1	76.1	96.2	96.2	96.2	96.2
≥ 500 ≥ 400	91.8		95.0	95.1 95.6	96.2	96.4	96.9	97.3	97.4	97.6	97.9	97.9	98.D	98.0	97.1 98.0	98.0
2 300	92.0 92.1 92.1	94.0	95.5	96.1	96.9	97.1	97.8	98.2	98.4	98.8	99.3	99.3	99.7	99.8	99.8	79.8
≥ 100 ≥ 0	92.1	94.0	95.5	96.1	96.9	97.2	97.8	98.3	98.4	98.8	99.4	99.4	99.8	99.8	99.9	99.9

USAF ETAC 101 64 0-14-5 (OL A) MENIOUS EDITIONS OF THIS FORM ARE DESOURTE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							visi	BILLEY STA	ITUTE MILE	:5						
FEE?	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2;	≥ 2	≥1 .	21.	21	2 .	≥ ,	2 ,	≥5 16	2.	_≥0
NO CEILING 2 20000	73.8 78.6	73.8 78.6	73.9	73.9 78.7	73.9	73.9 78.7	73.9 78.7	73.9 78.7	73.9 78.7	73.9 78.7	73.9 78.7	73.9 78.7	73.9 78.7	73.9 78.7	73.9	73.9
≥ 18000 ≥ 18000	78.6 78.6	78.6 78.6	78.7 78.7	78.7 78.7	78.7 78.7	78.7 78.7	78.7 78.7	78.7 78.7	78.7	78.7 78.7	78.7	78.7	78.7	78.7 78.7	78.7	78.7
≥ 14000 ≥ 12000	78.9 81.3	78.9 81.0	79.1	79.1 81.1	79.1 81.1	79.1 81.1	79.1	79.1	79.1 81.1	81.1	79.1 81.1	81.1	81.1	81.1	81.1	81.1
≥ 10000 ≥ 9000	84.1	85.1	85.2	84.2	85.2	84.2	84.2 85.2 87.4	85.2	85.2	85.2	85.2	85.2	85 · 2	85.2	85.2	85.2
≥ 8000 ≥ 7000	87.3 88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	91.2
≥ 6000 ≥ 5000 ≥ 4500	92.6	92.6	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	93.2
≥ 4000	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.7	94.8	94.8	94.8	94.4
≥ 3000	96.0	96.6	96.7	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.4	96.5	96.5	96.5	96.5
≥ 2000 ≥ 1800 ≥ 1500	97.3	97.5	97.6	98.0		97.7 98.0	97.7 98.0	98.0	98.0	97.7 98.0 98.0	98.0 98.0	97.7 98.0	97.7 98.0	97.7 98.0	98.0	98.0 98.0
≥ 1200 ≥ 1000	97.9 98.2 98.4	98.5	98.6	98.7	\$8.7 98.9	98.7	98.7	98.7	98.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900 ≥ 800	98.6	98.9	99.1	99.1	99.2	99.1	99.1	99.1	99.2	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700 ≥ 600	98.7	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500 ≥ 400	98.7 98.7	99.2	99.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6 99.6	99.6 99.6	99.6
≥ 300 ≥ 200	98.7	99.5	99.	100.0	100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.7	99.5	99.9		,	~~~~	100.0			100.0						

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 MA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORBOT

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

775697

2

NATRONA CO/CASPER WY

73-81

NUL -

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIŞI	BILITY STA	ITUTE MILE	E S						
' FEET 	≥10	≥6	≥ 5	≥4	≥3	≥2:	≥ 2	≥î	≥1.	21	≥ ′₄	≥ •	2	≥516	2.	≥0
NO CEILING ≥ 20000	75.0 80.3	75.0	75.0 80.3	75.0 80.3	75.0 80.3	75.0 60.3	75.0 80.3	75.0 80.3	75.0 80.3	75.0	75.0 80.3			75.0 80.3	75.0	75.0
≥ 18000 ≥ 16000	80.4	80.3	80.3 80.4	80.3 80.4	80.3 80.4	80.3	80.3	80.3 80.4	80.3 80.4	80.3	80.3	80.3 80.4		80.3	80.3	80.3 80.4
≥ 14000 ≥ 12000	80.4 81.4	80.4 81.4	80.4	80.4 81.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4 81.4	80.4 81.4	80.4	80.4	80.4 81.4	8D.4
≥ 10000	85.4 86.7	85.4 86.7	85.4	85.4 86.7	85.4	85.4	85.4 86.7	85.4 86.7	85.4 86.7	85.4	85.4	85.4 86.7	85.4 86.7	85.4	85.4 86.7	85.4 86.7
≥ 8000 ≥ 7000	87.9 89.3	87.9 89.3	87.9	87.9 89.3	87.9 89.3	87.9	87.9 89.3	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9 89.3	87.9 89.3
≥ 6000 ≥ 5000	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5
≥ 4500 ≥ 4000	92.8 93.6	92.8	92.8 93.6	92.8 93.6	92.8 93.6	92.8 93.6	92.8 93.6	92.8 93.6	92.8	92.8	92.8	92.8 93.6	92.8 93.6	92.8 93.6	92.8 93.6	92.8
≥ 3500 ≥ 3000	94.8 95.6		94.8	94.8	94.8	94.8	94.8	94.6	94.8	94.8	94.8	95.6	94.8	94.8	94.8 95.6	94.8 95.6
≥ 2500 ≥ 2000	96.5 96.5	96.5	96.0	96.0 96.5	96.0 96.5	96.0 96.5	96.5	96.0 96.5	96.0 96.5	96.0	96.5	96.0 96.5	96.0	96.0	96.D 96.5	96.D
≥ 1800 ≥ 1500	97.1 97.4	97.4	97.4	97.1	97.1 97.5	97.1	97.1 97.5	97.1	97.5	97.5	97.5	97.1	97.1	97.1	97.1 97.5	97.1 97.5
≥ 1200 ≥ 1000	98.1 98.4	98.4	98.4	98.4	98.4	98.6	98.4	98.4	98.4	98.6	98.4	98.6	98.4	98.6	98.4	98.4
≟ 900 ≥ 800	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	78.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700 ≥ 600	98.9	99.4	99.4	99.6	99.6	99.6	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.2	99.2	99.6
≥ 500 ≥ 400	99.1 99.1	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	77.6	99.6	99.6	99.6	99.6
2 300 2 200	99.1	99.6	99.7			100-0	100.0	100.0		100.0 100.0			100.0	100.0	100.0	
≥ 100 ≥ 0	99.1 99.1	99.6	99.7		100.0 100.0	10040	100.0		;	100.0						

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRITE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CERING							VISI	BILITY STA	ATOTE MILE	E5						-
FEET	≥10	≥6	≥ 5	≥ 4	≥3	≥2.	≥ 2	≥1.	≥1.	≥1	≥ 4	≥ ,	2 ;	≥5 :6	2.	≥ ປ
NO CEILING	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 20000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 18000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 15000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ '4000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
2 12000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2 0000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 9906	89.0	89.0	89.0	89. d	89.Q	89.0	89.0	89.Q	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 8000	89.8	89.8	89.8	89.8	89.8	89.8	49.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 7000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 6000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
. ± 5000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
2 45CH	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
. ≥ 4000 .	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 3500	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
2 3000	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2000	95.7	96.Q	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.Q	96.0
≥ 1800	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
' ≥ ±500 j	96.6	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
5 .50¢	97.4	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.Q	98.0	98.Q	98.0	98.0	98.0	98.0	98.0
≥ :000	97.4	98.6	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	97.7	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
. 2 800	97.9	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 700	98.1	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	98.2	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
2 500	98.2	99.2	99.4	99.6	99.6	99.6	99.6	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	77.6
≥ 400	98.4	99.2	99.6	99.9	99.9	99.9	79.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	98.2	99.2	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0
≥ 200	98.2	99.2	99.7	100.d	100.0	10040	100.0	100.0	100.d	100.0	100.0	100.Q	100.0	100.0	100.0	100.0
≥ 10C	98.2	99.2	,	100.0		1004 d		100.0	100.0					,	100.0	
2 0	98.2	99.2	99.7	100.d	100.d	100.0	100.0	100.d	100.d	100.0	100.q	100.Q	100.0	100.d	100.0	100.0

TAL NUMBER OF OBSERVATIONS 794

LISAE FTAC NUMBER OF 14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORDORED

SLOBAL CLIMATOLOGY BRANCH JSAFETAC AIF MEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY 72**569**0 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

JUN 0900-1100

e general							*15	BILI'' 5'4	TUTE MILE	. 5						
\FET	≥10	≥ 6	25	≥ 4	۰ ذ≤	≥2:	27	≥1.	21.	≥	≥ 4	≥ ,	2 .	2.5 16	2 4 3	≥ 0
FRING	73.6	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
50000	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
2 18000	61.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
2.15000	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
£00(82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
2 17900	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 10000	86.5	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 9.000	87.5	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥ 8000	88.5	88.8	88.8	86.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 7000	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 6000	91.2	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
2 5000	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2 4500	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 4000	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 3500 ≥ 3000	96.6	96.8	96.8	96.8	96.8	96.8		96.8	96.8	96.8	76.8	96.8	76.8	96.8	96.8	96.8
<u> </u>	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500 ≥ 2000	97.4	97.6	97.6	97.6	97.6	97.6		97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
<u> </u>	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	78.1	98.1	98.1	98.1	98.1
> 1800 ± 1500	98.2	98.6	98.6	98.6	98.6	75.0	98.6	98.6	78.6	98.6	98.6	78.6	78.6	98.6	98.6	98.6
	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	75.6	78.6	98.6	98.6	98.6	98.6
≥ 1200 ≥ 1000		99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	77.2	99.Z	99.2	99.2	99.2
	98.5	99.2		99.4	99.4	99.4	99.4	99.4	99.4	99.5	77.5	99.5	99.5	99.5	99.5	99.5
2 900 ≥ 800		99.2	99.2	99.4	77.7	99.4	99.4	99.4	99.4	77.5	99.5	99.5	99.5	99.5	99.5	99.5
	98.5	99.2	97.6	99.4	77.4	99.4	99.4	99.4	99.4	77.5	97.5	77.6	99.6	99.6	99.6	99.6
≥ 700 ≥ 600	98.5	99.2	99.5	77.7	77.7	77.4	99.4	99.4	99.4	99.5	99.6	99.6	99.6	99.6	77.6	99.6
	98.5	99.2	99.6	77.9	77.0	99.7	99.6	99.6	99.7	77.7	100.0	77.7	77.7	79.9	99.9	99.9
≥ 500 ≥ 400	98.5	99.2	99.4	99.7	90.7	77.7	99.7	99.7	77.7	77.7		100.0			100.01	
	98.5	99.2	99.6	90.7	99.7	99.7	99.7	90.7	99.7	77.7		100.0			100.01	
≥ 300 ≥ 200	93.5	99.2	99.6	99.7	99.7	99.7	99.7	99.7	99.7	77.7					100.01	
	98.5	99.2		99.7	00.7	90.7	06.7	99.7	99.7	99.9					00.01	
≥ 100 ≥ 0	98.5	99.2		99.7	99.7	99.7	99.7	99.7	99.7	- 1					00.01	
1 -	70.3	,,,,,	,,,,	7,701	,,,,,,	7701	7767	7761	7701	7707		100.00			. 00 • 01	.00.0

73-81

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OR

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI" MEATHER SERVICE/MAC

NATRONA CO/CASPER HY

725690

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

JUN 1200-1400

VISIBLE OF STATUTE MILES - 20003 ≥ 1800€ 2 16008 ≥ 14000 ∴ 12000 > 8000 5 ,0000 ≥ 8000 ≥ 700°, ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 ≥ 3500 2500 2000 ≥ 1800 ≥ 1500 2 804 2 ≥ 500 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9 99.9

73-81

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC 101.04 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

2

.

GLOBAL CLIMATOLOGY BRANCH USSETAC AIR MEATHER SERVICESMAC

72569

NATRONA CO/CASPER MY

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1500-1700

A SIBOUTE STAT TE MILES NZ. CERTING 1.16190 4 100 2 ...(4)/. ≥ ...(4)/. ≥ ...(4)/... 2 (00% 4500 ± 4000 ± 3500 ≥ 3000 ± 2500 ≥ 200€ 1800 2 1500 1000 900 800 70t ± 400

73-81

USAF ETAC 0+14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESCRETE

, ;; '

GLEBAL CLIMATOLOGY BRANCH USAFETAC ALM MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

วักพ 1800-2000

(EUN)							+ 51	3: "v 5"A	TITE MILE	5						:
155.	≥ '€	≥ c	2 !	≥ 4	2:	32:	2.	2	21.	21	2 4	ż ·	<u>.</u>	≥5 6	2 .	23
NO CEUNG	63.6	60.6	67.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 20000	75.9	76.9	76.0	76.0	76.0	76.Q	76.Q	76.0	76.Q	76.0	76.0	76.Q	76.0	76.0	76.Q	76.Q
≥ 18000		76.0	76.0	76.0						76.0					76.0	76.0
≥ 18000	75.9	76.0	76.0	76.0	76.0	76.0	76.Q	76.0	76.0	76.0	76.0	76.Q	76.0	76.0	76.0	76.Q
≥ '4000'	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
2 120%	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
- 100x	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
> 60,00	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.C	85.0	85.0	85.0	85.0	85.Q	85.Q	85.Q
> 8000	86.5	86.6	86.6	86.6	86.6	86.4	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
2 7000 "	87.5	87.6	87.6	87.6	87.6	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
> 6000	91.4	91.5	91.5	91.5						91.5						
2 5000 ·	96.5	96.6	96.6							96.6						
≥ 450€ .	97.1	97.1	97.1	97.1						97.1						
4000	97.7	97.9	97.9	97.9						97.9						97.9
2 350C	98.0	98.1	98.1	98.1						98.1						98.1
3000	98.4	98.5	98.5	98.5		98.5				98.5						98.5
2500	99.0	99.1	99.1	99.1	99.1	99.1				99.1						99.1
± 2006	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
180K	99.1	99.2	99.2	99.2	99.2	99.2	99.2			99.2						99.2
≥ 1500 i	99.1	99.2	99.2	99.2	99.2	99.2				99.2						99.2
≥ F20C	79.1	99.2	99.2	99.2	99.2	99.2				99.2					99.2	
. 1000	99.4	99.5	99.5	99.5		99.5	99.5		99.5		99.5			99.5		99.5
900	99.5	99.6	99.6	99.6	99.6	99.6	99.6			99.6					99.6	
2 80¢	99.5	99.9	99.9	99.9	99.9	99.9			-	99.9	1		99.9			,
2 700	79.5	99.9	99.9	99.9	99.9	99.9				99.9						
≥ 500	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.0	99.	99.9
500	99.6	100.0	00.0	00.0	00.0	100.01	100.01	00.0	00.0	00.01	00.0	100.0	00.01	00.01	00.01	00.0
± 40€		100.0														
> 300		100.0														
₹ 200		100.0														
> 100		100.0														
2 100		100.0														
استسلا	,,,,,									40.41				00.01	00.01	

73-81

792 TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 101.04 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GEOBAL CLIMATOLOGY BRANCH STAFETAC AIF WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

72569°

2

NATRONA CO/CASPER WY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2300

CENNO							¥rSi€	BILITY STA	TUTE MILE	5						1
166;	≥10	≥6	≥ 5	≥4	≥ 3	22:	≥ 2	≥1.	≥1.	≥,	2 •	≥ .	≥ .	≥5 :6	2.	≥0
NO COUNC	70.0		70.0	70.1	70.1	70.1		- ,						73.2	70.2	70.2
≥ 7.000€	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	76.3	78.3
≥ 18000	78.1	78.1	78.1	78.2	78.Z	78.2	78.2			78.3		78.3	78.3	78.3	78.3	
2.15000	78.1		78.1		78.2	78.2	78.2		78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3
2 14000	78.6	78.6	78.6	78.7	78.7	78.7	78.7		78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
2 - 2000	81.7	81.7		81.8	81.8	81.8		+					82.0		82.0	
≥ ,0000	85.4		85.4	85.5	85.5	85.5			85.5	85.6	85.6			85.6	85.6	
≥ 9000		86.8		86.9		86.9								87.0	+	
≥ 8(4)(0	87.8			87.9	1	87.9	1	87.9		88.0	7.4			88.0	88.0	1
2 7000			89.0		89.2							89.3			89.3	
≥ 6000		91.4		91.6	91.6	91.6	91.6	1		91.7	91.7		: 1	91.7	1	
₫ 5000	94.6		94.6	94.7	94.7	94.7	94.7	94.7		94.8	94.8	94.8	94.8		94.8	
≥ 4500°	94.7		94.7	94.8	94.8	94.8	94.8	94.8		95.0	95.0	1		. 1	95.0	
≥ 400€	95.5			95.6	95.6	95.6		95.6		95.7		95.7	95.7		95.7	
2 3500	96.2			96.3	96.3		96.3		96.3	96.5	96.5	96.5	96.5	- 1	96.5	96.5
2 3000	96.5	96.5		96.6	96.6	96.6	96.6	96.6	76.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2 2500	97.1	97.1		97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	97.6	97.7		98.0	98.0	98.Q		98.0	98.0	78.1	98.1	78.1	98.1	98.1	98.1	90.1
≥ 1800	98.1	98.2		98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
± 1500	98.5	98.6	98.6	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	97.0
≥ 1200 ≥ 1000	98.7	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.Z
,	98.7	98.9	78.7	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
2 900	98 - 7	98.9		99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	77.2	99.2
≥ 800	98.7	98.9		99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
± 700 ≥ 600	98.7	99.0		99.2	99.2	99.2	99.2	99.2	99.2	77.4	99.4	99.4	99.4	99.4	99.4	99.4
h	98.7	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
± 500 ≥ 400	99.0		99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9		
	99.0			99.7	99.7	99.7	99.7	77.7	99.7	99.9	77.7	99.9	99.9	77.9	99.9	77.9
2 100	99.1	99.5		99.9	77.7	99.9	99.9	77.7						100.0		
	99.1	99.5		99.9	99.9	99.9	99.9	99.9						100.0		
} ≥ 000 > 0	99.1		99.6		99.9	1 1 1	99.9							100.0		
2 "	99.1	44.5	77.0	77.9	99.9	79.9	99.9	77.7	77.9	140.0		100.0	.00.0	100.0		100.0

TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 10.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

SLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

CEILING VERSUS VISIBILITY

72569

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

73-81

VISIBILITY STATUTE MILES NO TEILING > 20000 18000 15000 77. 77. 77. 77. 8 2 1400 12000 ≥ 10000 ≥ 9000 8000 7000 6000 5000 4500 4000 350C 2 ≥ 250G ≥ 2000 1800 1500 2 1200 S(Y) 700 500 99.5 40.4 ≥ . 98.9 99.5 99.8 200

TOTAL NUMBER OF OBSERVATIONS __

USAF ETAT 104 0-14-5 (OL A) REVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

2

73-81

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

ElpiNG							V151	BILITY STA	ATUTE MILI	£5						
FEET	≥10	≥6	≥5	≥ 4	د ≤	22.	2?	≥ .	≥1,	≥1	٤.	≥,	≥ .	≥ 5 ∣ 6	2.	≥0
NO CEILING	76 • D	76.0 80.0	76.1		76.1 80.1		76.1 80.1	76.1	76.1	76.2	76.2	76.2 80.2	76.2	76.2 80.2		76.2
≥ 18000	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 14000	80.4	80.4				80.1	80.5		80.5		80.2	80.2		80.2	80.6	80.2
≥ 12000 ≥ 10000	85.4	83.4	86.5		83.6	86.5	83.6	83.6	83.6		83.7	83.7	85.7	83.7	83.7	83.7
≥ 9000	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 8000 ≥ 7000	90.6 91.5	90.6	90.7	90.7 91.7	90.7 91.7	90.7 91.7	90.7 91.7	90.7 91.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 6000 ≥ 5000	93.4	93.4	93.5	93.5 94.7	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500 ≥ 4000	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500		95.7	95.8			95.1 95.8	95.8 95.8	95.1 95.8	95.8	96.0	95.2 96.0	96.0	96.0	95.2 96.0	96.0	96.0
≥ 3000	95.7	95.8	96.4			96.4	96.4	96.0	96.0	96.1	96.6	96.1	96.6	96.6	96.3	96.1
≥ 2000	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2		97.3	97.3	97.3	97.3	97.5	97.3
≥ 1800 ≥ 1500	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.4 97.5	
≥ 1200 ≥ 1000	97.5 97.5	97.9				98.0 98.0	98.0	98.0	98.0 98.0		98.2	98.2 98.2	98.2	98.2	94.2	98.2 98.2
≥ 900 ≥ 800	97.7	98.0		98.2	98.2	98.2 98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	97.7	98.0	98.2	98.2	98.2	98.2	-	98.2	98.2		98.3	98.3	98.3	98.3	98.3	
≥ 600 ≥ 500	97.8	98.0	98.5	98.Z	98.7	98.8	98.2	98.2	98.2	98.9	98.9	98.9	98.9	98.9	98.3	98.3
≥ 400	97.8	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	97.8	98.9	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100 ≥ 0	97.8	98.9	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6		100.0

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 100 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH AIR MEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

AUL ... NATRONA CO/CASPER NY 73-81 72569 PERCENTAGE FREQUENCY OF OCCURRENCE 0300-0500 FROM HOURLY OBSERVATIONS

CEUNG	USBUTY STATUTE MILES															
FEET	≥ 'C	≥ 6	≥ 5	≥ 4	₹3	≥2.	21	≥1	≥1.	21	2 .	≥ ,	<u>:</u>	25 16		≥ა
N - (EIUNG ≥ 20000	78.1	78.0 81.2	78.0	78.0 81.2	78.0 81.2	78.0 81.2	78.Q 81.Z	78.Q 81.2	78.0 81.2	78.0 81.2	78.0 81.2	78.0 81.2	78.0 81.2	78.0	81.2	81.Z
≥ 18000 ≥ 16000	81.2	81.2 81.2	81.2 81.2	81.2 81.2	81.2 81.2	81.2	81.2	81.2	81.2	81.2	81.Z 81.Z	81.2	81.2	81.2	81.2	81.2
≥ 14000 ± 12000	81.6	81.6 85.0	81.6 85.0	81.6 85.1	81.6	81.6	81.6	85.1	81.6	81.6	85.1	85.1	85.1	85.1	85.1	85.1
≥ 10000 ≥ 9000	87.6	88.6	88.6	88.7	87.4 88.7	86.7 90.4	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	90.4
≥ 8000 ≥ 7000	90.1 91.6 92.4	90.3	90.3 91.7	90.4 91.8 92.8	91.8	91.8	90.4 91.8	91.8	91.8	91.8	91.8	91.4	91.8	91.8	91.8	91.8
≥ 6000 ≥ 5000 ≥ 4500	93.7	93.9	93.9	94.0	94.3	94.0	94.0	94.0	94.0	94.0	94.5	94.3	94.3	94.0	94.0	94.0
4000	93.9	94.2	94.9	94.3	94.3	94.3	94.3	94.3	95.0	95.0	99.3	94.3	94.3	94.3	95.0	95.0
2 3000 2 2500	94.6 95.0	95.5	95.5	95.4	95.4 95.6	95.1 95.6	95.4	95.1 95.6	95.6	95.4	95.6	95.4	95.4	95.6	95.1 95.6	95.4
≥ 2000	96.9	97.1	97.1	97.2	97.2	97.2	97.1 97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.1 97.2 97.2	97.2 97.2
≥ 1500 ≥ 1200 ; ≥ 1000	96.9	97.4	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
2 90C 2 90C 2 80C	97.4 97.6	78.3	78.3	98.4 98.5	98.4	98.4	78.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4 98.5	98.4	98.4
≥ 700 ≥ 600	97.7	98.4	98.4	98.5	98.5 98.5	98.5	98.5 98.5	98.5 98.5	98.5 98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
> 500 - 400	97.7	98.7	98.9	99.1	99.1	99.1	99.0	99.0	99.0 99.1	99.0	99.0	99.1	99.1	99.0	99.0	99.0
2 300 2 200	97.7	78.0	99.0	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
> 100 > 0	97.7	78.0	99.0	99.3	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DIRECTED

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72569

2

NATRONA CO/CASPER WY

73-81

0600-0800

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES 2 2 ≥1 . ≥1 . ≥10 ≥ 20000 ≥ 18000 ≥ 14000 > 12000 84.6 84.6 84.6 84.6 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 3500 ≥ 2500 ≥ 2000 1800 1200 1000 900 2 800 700 500 400 99.6 99.6 99.6 97.0 97.0 300 200 100

TOTAL NUMBER OF DESERVATIONS

USAF ETAC 101 May 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISCUST

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

73-81

0900-1100

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CERING	VISIBILITY STATUTE MILES															
fff.	> 10	≥6	≥ 5	≥ 4	≥ 3	≥2	≥ 2	2	≥'.	2	≥ •	≥ .	2	≥5 16	2 . ;	≥ 0
O CERING	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.
2 20000	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84. d	84.Q	84.0	84.0	84.0	84.0	84.0	84.
≥ 800C	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.
3 : PUK.	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84
≥ '400C	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.Z	85.Z	85.2	85.2	85.2	85.2	85
2 12000	88.2	88.2	88.2	88.3	68.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88
± 10000	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91
> ≥ 600€	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92
2 800C	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92
2000	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93
z 6000	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93
5000	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94
4500	94.4	94.4	04.4	04.5	94.4	04.5	04.5	04.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94
400C	95.0	95.0	95.11	05.1	95.1	95.1	95.1	95.1	95.1	05.1	95.1	08.1	95.1	95.1	95.1	95
> 3500	95.7	95.7	65.7	64.6	64.0	95.9	68.8	05.0	68.0	65.6	95.9	-	95.0	95.9	95.9	95
2 3000	96.6	94.4	96.7	96.	94.4	96.8	96.9			04.4	94.8	06.8	94 - 8	96.2	96.8	96
	97.4	67.4	67.1	67.4	97.8	07.1	97.	97.4	67.0	- 7 - 0	97.0	97.0	97.8	97.8	97.8	97
≥ 2500 ≥ 2000	98.0	90.0		98.4	00.0	98.4	90.						98.4		00.0	94
	98.2	- 50 - 7	7003	98.5	04.5	98.5	98.4	70,7	40.5	7007	98.5	70.4	98.5	98.5	98.5	91
≥ 1800 ≥ 1500	98.5	70.4		99.0	99.0	99.0	99.0	70.3	90.0	99.0	99.0	70.3	99.0		99.0	99
	98.7	98.6	70.7		77.U		77.4	77.4	77.4	77.4	99.3	77.0	77.0			
≥ 1000 ≥ 1000			77.4	99.3	77.3	99.3	77.3	77.3	77.3	77.3		77.3	77.3	99.3	99.3	
	98.7	98.9	77.1	99.3	77.3	99.3	99.3	77.5	77.3	77.3	99.3	77.3	77.3	99.3	99.3	99
≥ 90€	98.7	75.7	77.1	77.3	77.3	77.3	77.3	77.3	99.3	77.3	99.3	77.3	97.3	99.3	99.3	99
≥ BUL'	98.9	99.1	97.4	99.6	79.6	77.6	77.6	77.6	77.6	77.5	99.6	77.6	79.6	97.6	99.6	77
≥ 700	98.4	77.1	77.4	77.6	77.6	97.4	77.6	77.6	77.6	77.6	99.6	77.6	77.5	99.6	99.6	99
≥ 600	99.0	77.3	77.4	77.7	77.9	77.9	77.9	77.9	77.9	77.7	77.9	77.9	77.9	99.9	99.9	
≥ 500	99.1	77.3	77.5	100.0	100-9	100.0	100.0	100.0	100.0		100.0			,	100.0	
≥ 400	99.0	99.3	99.5	100.g	100. g	100. Q	100.q	100. g	100.0	100.0	100.0	100. a		100.0		
≥ 300	99.0	99.3	77.5	100.0	100.0	100-d		100.0				100.d			100.0	
≥ 200	, 99.d	99.3	77.8	100. q	100.d	100. Q	100.Q	100.0	100. q	100.0	100. q	100. g	100.0	100.0	100.0	100
<u>></u> 'X	79.0	77.3	77.5	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
2 0	99.d	99.3	99.8	100.G	100.0	100. q	100.0	100. a	100.d	100.0	100.0	100.0	100.0	100-0	100.0	100

TOTAL NUMBER OF OBSERVATIONS,

USAF ETAC 10164 0-14-5 (OL A) MEVIOUS SOTTIONS OF THIS FOR

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY 725697

73-81

1200-1400

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ETLINES FEET		<u> </u>					viSi	BILITY STA	ATUTE MILI	E5						
	≥10	≥¢	≥ 5	≥ 4	≥ 3	≥2:	≥ 7	≥1.	≥1.	21	2.4	≥ .	2	≥5 16	ž . ,	≥0
NO (EIUNG ≥ 20000	66.0 75.5	66.1 75.6	66.1 75.6	66.1 75.6	66.1 75.6	66.1 75.6	66.1 75.6	66.1 75.6		66.1 75.6	66.1 75.6	66.1	66.1 75.6	,	_	66.1 75.6
≥ 18000 ≥ 16000	75.5 75.6	75.6	75.6 75.8	75.6 75.8	75.6	75.6 75.8	75.6 75.8	75.6 75.8	75.6 75.8	75.6 75.8	75.6 75.8	75.6	75.6 75.8	75.6 75.8	75.6 75.8	75.6 75.8
2 14000 2 12000	76.7 78.9	76.9	76.9 79.1	76.9 79.1	76.9 79.1	76.9 79.1	76.9 79.1	76.9	76.9 79.1	76.9 79.1	76.9 79.1	76.9 79.1	76.9 79.1	76.9 79.1	76.9 79.1	76.9 79.2
≥ 10000 ≥ 9000	81.5	81.Z 81.6	81.2	81.2	81.2 81.6	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3
≥ 8000 ≥ 7000	83.1	83.2	83.2	83.2	83.2	83.2	83.2 83.8	83.2	83.2	83.2	83.2	83.2	83.2	83.2 83.8	83.2	
≥ 6000 ≥ 5000	88.2 93.0	93.1	88.4 93.1	88.4 93.1	88.4 93.1	88.4 93.1		93.1	93.1	88.4	88.4 93.1	93.1	88.4 93.1	93.1	93.1	88.5 93.3
≥ 4500 ≥ 4000	94.4	94.5	94.5	94.5	94.5 95.5	94.5 95.5		94 • 5 95 • 5	94.5	94.5	94.5	94.5	1 7 7 1		94.5 95.5	94.6
≥ 3500 ≥ 3000	96.6 96.9	96.7	96.7	96.7	96.7 97.1	96.7 97.1	96.7 97.1	96.7 97.1	96.7 97.1	96.7 97.1	96.7 97.1	96.7	96.7 97.1	96.7 97.1		
≥ 2500 ≥ 2000	97.8 98.3	97.9	97.9	97.9 98.4	97.9 98.4	97.9 98.4	97.9 98.4	97.9 98.4	97.9 98.4	97.9 98.4	97.9 98.4	97.9	97.9	97.9 98.4	97.9 98.4	98.0 98.5
≥ 1800 ≥ 1500	98.3 98.5	98.4	98.4	98.4	98.4	98.4	98.4	98.4 98.8	98.4	98.4 98.8	98.4	78.4	98.4	98.4	98.4	98.5 98.9
2 1200 2 1000	98.7 98.8	98.9 99.0	98.9	98.9	98.9	98.9	98.9	98.9	98.9 99.1	98.9 99.1	98.9 99.1	98.9	98.9 99.1	98.9 99.1	98.9 99.1	99.0
≥ 900 ≥ 800	98.8 98.9	99.0 99.1	99.1	99.1	99.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.1 99.3	99.1	
≥ 700 ≥ 600	99.0 99.0	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	79.4	99.4	99.4	99.4	
≥ 500 ≥ 400	99.1	99.8	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5		100.0
≥ 300 ≥ 200	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	77.9	99.9	99.9	99.9	99.9	100.0
≥ 100 ≥ 0	99.1	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

0

 $\mathcal{L}(\mathcal{C})$

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2 2000	CEILING	USIBLE STATUTE MILES															
2000 62-2 62-2 62-2 62-2 62-2 62-2 62-2	FEE	≥10	≥6	≥ 5	± 4	≥ 3	22	2.7	≥1: .	≥' .	≥1	≥ , ;	≥`•	2	25 16	• •	≥ 0
2 180°	NO CEIUNO	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
2 1000	≥ 20000	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.3
21400: 65.1 65.1 65.1 65.1 65.1 65.1 65.1 65.1		62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.Z	62.3
70% 70% 70% 70% 70% 70% 70% 70% 70% 70%	3 15000	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.6
73.6 73.6 73.6 73.6 73.6 73.6 73.6 73.6		65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.3
2 9900. 74.3 74.3 74.3 74.3 74.3 74.3 74.3 74.	≥ 100%		70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.Z	70.3
2 8000		73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
2 700 80 80 80 80 80 80 80 80 80 80 80 80 8	2 9000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
2 6000		77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6
2 5000 94.3 94.3 94.3 94.3 94.3 94.3 94.3 94.3	≥ 7000	80.4	80.4	80.4	80.4	80.4	80.4	60.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.9	80.5
7 450C		87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2
2 3000 97.4 97.4 97.4 97.4 97.4 97.4 97.6 97.6 97.6 97.6 97.6 97.6 97.6 97.6	2 5000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	74.3	94.3	94.3	94.3	94.5
2 3000 98.3 98.3 98.3 98.3 98.3 98.3 98.3 98.3		96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.3
2 3000	2 4000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.9	97.4	97.4	97.4	97.4	97.5
2 2000	2 3500	97.9	97.9	97.9	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0
2 1800	2 3000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	78.3	98.3	98.3	78.3	98.3	98.3	98.4
2 1800 98.6 98.6 98.6 98.8 98.8 98.8 98.8 98.8	≥ 2500	98.6	98.6	98.6	98.4	98.8	98.8	98.6	98.6	98.6	78.8	78.8	78.8	98.8	78.8	98.8	98.9
2 1500	≥ 2000	98.6	98.6	98.6	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	78.8	98.8	98.9
2 1700	≥ 180C	98.6	98.6	98.6	98.6	98.8	98.4	98.6	98.6	98.8	98.8	98.8	76.6	98.8	78.0	76.8	76.9
2 1000 99 1 99 3 99 4 99 4 99 4 99 4 99 4 99 6 99 6	2 1560	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99. d	99.0	99.0	99.Q	99.0	99.Q	99.0	99.0	99.1
2 900 99.1 99.1 99.1 99.4 99.4 99.5 99.5 99.5 99.5 99.5 99.5	≥ 1200	99.0	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
2 800 99.1 99.1 99.1 99.2 99.4 99.5 99.5 99.5 99.5 99.5 99.5 99.5	≥ 100C	99.1	99.3	99.3	99.4	99.4	99.4	77.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
2 700 99.3 99.4 99.4 99.6 99.6 99.6 99.6 99.6 99.6	2 90C	99.1	99.3	99.3	99.4	99.4	99.4	99.4	99.4	77.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5
2 000 99.3 99.4 99.4 99.6 99.6 99.6 99.6 99.6 99.6	2 800	99.1	99.3	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	77.5	99.5	99.5	99.6
2 500	≥ 700	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.8
2 400 99.3 99.4 99.4 99.6 99.9 99.9 99.9 99.9 99.9	≥ 600	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	77.6	97.6	99.6	77.6	77.6	77.6	99.5	99.8
2 400 99.3 99.4 99.4 99.6 99.9 99.9 99.9 99.9 99.9	≥ 500	99.3	99.4	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	79.8
≥ 300 99.4 99.4 99.6 99.9 99.9 99.9 99.9 99.9		99.3	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.a
≥ 200 99.4 99.4 99.6 99.9 99.9 99.9 99.9 99.9	≥ 300	99.3	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	79.9	99.9		00.0
> 100 99.3 99.4 99.4 99.4 99.9 99.9 99.9 99.9		99.3	99.4	99.4	99.6	77.7	99.9	99.9	99.9	77.9	99.9	99.9	99.9	**.	99.9	99.9	00.0
	> 100	99.3	99.4	99.4	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		
} ≥ 0 99.3 99.4 99.4 99.6 99.9 99.9 99.9 99.9 99.9	≥ 0	99.3	99.4	99.4	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7:5690

2

NATRONA CO/CASPER MY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING							V1 5 1	Billing STA	ATUTE MILE	15						
1994	≥ 10 °	≥6	≥ 5	≥ 4	≥ 3	≥2:	22	<u>2</u> 1	≥1.	≥ '	≥ .	٠.	ž .	25 10	≥ .	≥0
NO CEILING	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 20000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 18000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68 - 5	68.5	68.5	68.5	68.5	68.5
≥ 16000	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	
≥ 14000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 12000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 9000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 8000	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
2 7000	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	46.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
> 6000	93.9	91.1	91.1	91.1	91.1	9161	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
5000	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
± 4500	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
± 4000	96.8	97.0	97.0	97.Q	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 3500	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 2500	98.4	98.6	98.6	98.8	98.8	98.8	98.8	98.8	78.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2000	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1800	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1500	98.6	98.9	98.9	99.0	99.0	99.0	99.D	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1200	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
> 900	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	98.9	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	79.3	99.3	99.3
≥ 600	99.0	99.5	99.5	99.6	99.6	99.6	99.6	99.6	77.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	99.0	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	99.0	99.8	99.9	100.0	100.0	10040	100.0	100.0	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.0	99.8	99.9	100.0			100.0						100.0	00.0	100.0	100.0
200	99.0	99.8	1111		,		100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0	100.0
> 100	99.3	99.8					100.0									
≥ 100	99.0	99.8					100.0							-		
<u> </u>																

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 101.04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE ORBOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

CEILING VERSUS VISIBILITY

73-81 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

6,80							v!\$1	BILITY STA	TUTE MILE	\$						
tet.	≥:0	≥6	≥ 5	≥ 4	≥3	≥2:	≥ 2	≥1.	≥1.	≥!;	≥ .	≥ `•	2	≥ 5 16 ,	2 .	20
N/7 : ELING ≥ 20000	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 18000 ≥ 15000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 14000 ≥ 12000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
⇒ 10000° ≥ 9000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 9000 ≥ 7000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	90.3	88.4	88.4	88.4	88.4	88.4	88.4
≥ 6000 ≥ 5000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4500 ∠ 4000	96.1 96.6	96.2	96.2	96.2	96.2	96.7	96.7	96.2	96.2 96.7	96.2	96.Z 96.7	96.2	96.2	96.2 96.7	96.2 96.7	96.2
≥ 3500 ≥ 3000	97.2 97.4	97.7	97.3	97.3 97.7	97.7	97.3 97.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3 97.7	97.3 97.7	97.3 97.7
≥ 2500 ≥ 2000	97.7 97.8	98.3	98.3 98.7	98.3	98.7	98.3 98.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800 ≥ 1500	97.9 98.2	98.8	99.0	99.0	98.8	98.8	98.8	98.8	99.0	98.8	98.6	98.8	99.0	98.8	98.8	98.8
≥ 1200 ≥ 1000	98.2 98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900 ≥ 800	98.3 98.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700 ≥ 600	98.3	99.4	99.4	99.4	99.4	99.4	77.3	99.4	99.4	99.3	99.4	99.4	99.4	99.3 99.4	99.4	99.4
≥ 500 ≥ 400	98.4	99.6	99.9	99.9	97.9	100.0	100.0	100.0		100.0			100.0	100.0	99.8 100.01	
2 300	98.4	99.6	99.9	99.9			100.0	100.0		100.01	00.0	100.0	100.0	100.0		00.0
> 10K	98.4	99.6	99.9	99.9	99.9	100.0				100.01						

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CERUNG					·		V151	BILITY STA	ATUTE MILE	5						
1 -661	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	2.7	≥1	≥1.	≥ '	≥ .	≥ .	≱ .	≥ 5 16		≥0
NO CEILING 2 20000	68.0 75.8	68.1 75.9	68.1 75.9	68.1 75.9	68.1 75.9	68.1 75.9	68.1 75.9	68.1 75.9	68 · 1 75 · 9	68.1 75.9	68.1	68.1	68.1	68.1	68.1	68.1 75.9
≥ 18000 ≥ 16000	75.8 75.9	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0	75.9 76.0
≥ 14000 ≥ 12000	77.0 80.6	77.1 80.7	77.1 80.7	77.1	77.1	77.1 80.8	77.1 80.8	77.1 80.8	77.1	77.1 80.8	77.1	77.1 80.8	77.1	77.1	77.1	77.2 80.8
≥ 10000 ≥ 9000	83.8 85.1	83.9 85.2	83.9 85.2	83.9 85.2	83.9 85.2	83.9	83.9 85.2	83.9 85.2	83.9 85.2	83.9 85.3	83.9	83.9	83.9 85.3	85.3	83.9 85.3	84.0 85.3
≥ 8000 ≥ 7000	86.8	86.9	86.9	87.0 88.6	87.0 88.6	87.0 88.6	87.0	87.0 88.6	87.0	87.0 88.6	87.0	87.Q	87.0	87.0	87.0	87.6
≥ 6000 ≥ 5000	91.1 94.0	91.2	91.2 94.2	91.2 94.2	91.2 94.2	91.2 94.2	91.2 94.2	91.2 94.2	91.2 94.2	91.2 94.2	91.2 94.2	91.2 94.2	91.2	91.2	91.2 94.2	91.3 94.3
≥ 4500 ≥ 4000	94.7	94.8	94.8 95.5	94.9	94.9	94.9	94.9	94.9	94.9	94.9 95.5	94.9	94.9 95.5	94.9	94.9	94.9 95.5	94.9 95.6
≥ 3500 ≥ 3000	96.1 96.5	96.2 96.7	96.8	96.3 96.8	96.8	96.8	96.8	96.3 96.8	96.3 96.8	96.8	96.3	96.3 96.8	96.8	96.3 96.8	96.3 96.8	96.3 96.9
≥ 2500 ≥ 2000	97.0 97.6	97.9	97.4		97.4	97.4	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	97.4 98.0	98.0	97.4 98.0	97.5 98.0
≥ 1800 ≥ 1500	97.7	98.0	98.1	98.1 98.4	98.1	98.1	98.4	98.1 98.4	98.1	98.1	98.4	98.1	98.1	98.1 98.4	98.1	98.2
≥ 1200	98.1	98.5	75.6 98.8	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.9	98.7	98.7	98.7
≥ 900 ≥ 800	98.4	98.9	98.9		99.1	99.0	99.0	99.1	99.1	99.1	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700 ≥ 600	98.6	99.1	99.1	99.2	99.1	99.2	99.2	99.1	99.2	99.3	99.3	99.3	99.3	99.1	99.1	99.3
≥ 400 ≥ 400	98.6 98.6	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.5	99.5	99.5	99.5	99.7	99.7
5 500 5 300	98.6	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	98.6	99.3	99.6	99.7	99.7	99.7	77.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	100.0

0

()

GLGBAL CLIMATOLOGY BRANCH JSAFETAC AIF MEATHER SERVICE/MAC

NATRONA CO/CASPER WY

2

CEILING VERSUS VISIBILITY

TOTAL NUMBER OF OBSERVATIONS

AUG

0000-0200 FROM HOURLY OBSERVATIONS VISIBILITY STATUTE MILES ≥'(≥1.4 ≥ 1800° 2 4 0 > 900 8000 2 5000 2 5000 ±; 4000 3500 97.4 97.9 2500 ≥ 2500 ≥ 2000 1800 1500 1200 900 800 2 700 600 500 300 200

73-81

PERCENTAGE FREQUENCY OF OCCURRENCE

USAF ETAC 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

AUG <u>0300-0500</u>

EUNG							v (\$)	BROTE STA	ATUTE MILE	.5						
88 *	. ≥ 10	≥ 6	<u>></u> 4	<u></u> 4	? 3	e2.	2.7	اُجِ	≥1.4		<u> 2</u>	٤٠	2	≤ 5 10		≥0
NO CHING	78.1	78.0	78.	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
. 3) (x x.				81.8												
8000	81.9	81.9	81.9	81.9												
≥ 5000			81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
± 14000				82.2												
≥ 120%	83.6		83.6		83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 10000		86.5	86.5	86.5												
≥ 900c	88.7		88.7		88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
2 8000				90.4												
2 7000				91.3												
≥ 6000	91.9	92.0	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
2 500c	92.7	92.8	92.8	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 4500	93.9	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4000	94.5	94.8	94.8	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9		94.9
2 3506	95.0	95.4	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3000		96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2500	95.6			96.2												
≥ 2000				97.2												
1 2 1800				97.6												
2 1500				97.8												
≥ 1200	96.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	97.3	98.5	98.5	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
.: 900	97.5	98.7	98.7	98.7	98.7	98.7	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
.≥ BOK	97.6	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
2 700	97.6	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 600	97.6			98.8	98.6				98.9							
500	,			98.8		98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
3 400				99.2		99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2 300	97.6	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2 700	97.6	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
00) ج	97.6	99.5	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	100.01	00.0	00.00	00.01	00.0
1 2 0				99.6												

TOTAL NUMBER OF OBSERVATIONS

€.

GLERAL CLIMATOLOGY BRANCH JSAFETAC ATH HEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS)

E. Will							· 5'ê	BIQ ** STA	TUTE MILE	5						
it.	≥10	≥ 6	> <u> </u>	≥ 4	ذ خ	≥2.	c:	≥ .	≥, •	÷,	<u> </u>	≥ .	·	2.5 °c	2.	2:
FIRMS	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4
2.30000				78.0												
2 18/6/	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5
1.75 (*)	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.5
3 4000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9
2 2000			82.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.1
a trighter	â5 . 4			85.4												
≥ 9/HX	88.5			88.5												
300C				88.8												
2 7000				89.8												
≥ 5000				91.0												
2 STREC				91.8												
> 450C				92.8					- 1				,			
400X				93.9												
2 3500				94.4												
3 3000				95.5												
2500				95.6												
2000	96.4	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9
308	96.7	96.8	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2
5/%				97.3												
≥ 170K				97.4												
:000				98.0												
- 50C				98.2												
: 804				98.4												
2 700				98.4												
≥ 600	98.3	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
. 500				99.1												
3 40G				99.4												
± 300				99.4												
200				99.5												
≥ 100				99.5												
2 0	98.5	99.0	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.61	00.0

TOTAL NUMBER OF OBSERVATIONS 815

USAF ETAC 1.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

2

CEILING VERSUS VISIBILITY

725693 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3900-1100

AUG

(EILING	!						V151	BILITY 512	V JTE MILE	5						
. FEET	≥10	≥ 6	≥ 5	≥ 4	د ج د ج	22.	≥ ?	≥1	≥' .	≥1 .	2	≥ .	2 .	25 16	2	≥0
NO CEILING	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 20000	80.6	80.8	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	
≥ .8000	80.9	81.0	81.0	81.0	81.1	81.1	81.	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
3 14000	80.9	81.0	81.q	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 14000	81.5	81.6	81.6	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
≥ 12000	84.5	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84 . 7	84.7	84.7	84.7
≥ 1000C	88.6	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 9000	90.8	90.9	90.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 8000	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 7000	91.9	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 5000	92.9	93.1	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
- 5000	93.5	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
± 450C	94.2	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 4000	95.7	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
2 3500	96.7	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
2 3000	98.1	96.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 2500	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 2000	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
2 1500	99.5	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 1000	99.6	99.8	99.8	99.8		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 700	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
2 500	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9					100.00			
≥ 400	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	00.01	00.0	100.0	100.0	00.0	100.0	100.0
2 300	99.6	99.8	99.8	79.8	99.9	99.9	99.9	99.9	99.9				100.00			
2 /0C	99.6	99.8	79.8	99.8	99.9	99.9	99.9	99.9					100.0			
≥ (X	99.6	99.8	99.8	99.8	99.9	99.9	99.9	77.9					100.00			
≥ ∪	99.6	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	00.0	00.0	100.0	100.00	00.0	100.0	100.0

73-81

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1200-1400

CERUNG			-				¥151	Bicity STA	itute Mill	15						
FEET	≥10	≥6	≥5	≥ 4	≥ 3	≥2:	≥ ?	≥.	21.	21	2 .	۷,	2	25 6		≥ 0
NO CEILING	67.6											67.6			67.6	67.6
	76.2	76	76 . 2	76.2	76.2	76.2						76.2				76.2
≥ 18000 →	76.2	76.2	76.2	1			1					76.2			1	76.2
	77.2		77 3	77	77 7	77.2				77.2					77.2	77.2
≥ 14000 ≥ 12000	80.1	80.1	80.1	80.1	80.1			80.1		80.1			80.1	1	• • • • • •	80.1
	83.0	1		1									83.0		83.0	
≥ 19000° ≥ 9000 :	84.4	1					84.4	1	:	83.0			- T - T - T			
		84.4		84.4				84.4	84.4	84.4				84.4	84.4	84.4
≥ 8000	84.7			84.7	84.7	84.7	84.7	84.7	84.7			84.7	84.7	84.7	84.7	84.7
≥ 7000	85,7	85.7						85.7	85.7				85.7	85.7	85.7	85.7
≥ 6000 ·	88.9		1 - 1 - 1					88.9	:	1		1	!	88.9	88.9	88.9
≥ 5000	93.5							93.5				93.5			93.5	
≥ 4500	94.1		94.1		1		94.1	94.1	94.1					94.1	;	94.1
. 4000	96.2	1 :	96.2		1		96.2	96.2				96.2	96.2	96.2	96.2	96.2
≥ 3500	97.6	97.8	97.8	97.6	97.8	97.8	97.8		97.8	97.8	97.B	97.8	97.8	97.8	97.5	97.8
2 300C	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	98.8	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.
≥ 2000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.
2 180C	99.4	99.	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	99.4	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.
2 1200	99.6	99.6	99.8	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.3	99.8	99.8	99.1
2 1000	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.4	99.8	99.8	99.1
> 90C	99.6	99.6	99.8	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.
3 800	99.8	99.9	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
> 706	99.9	100.0	100.0	100.0	100.0	100.0	100.0									100.0
2 500			1				100. a		1							
500							100.0									
2 400			,	,			100.d									
		1	1 -	1.			100.0									
2 200			7	,	1.		100.0									
							100.0									
. '.x	l	1		1			100.0				/			1	1	
	7707	100.0	1700.0	1100.0	170000	10000	1200.0	700.A	100.0	TODOR	100.U	100.A	T 00 • 0	*nn•n	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC - 1 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH SAFETAC ATH WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

2

7.7569 1

CEILING VERSUS VISIBILITY

				PER			HOURL'			CCURE	KENCE				1500	-170
ELING							¥1S	IBILITY ST	ATUTE M.	55						
FEE.	≥10	≥6	≥ 5	≥4	≥3	≥2.	≥ 2	≥'.	≥ ' •	2	2.	≥ .	<u> </u>	. ≥5 16	· ·	≥0
NO / ERING ≥ 20000	55.2 69.3	3								55.2 69.3				55.2 69.3	55.2 69.3	
≥ 18000 ≥ 16000	69.4	69.4		69.4		• • • •			69.4		69.4	69.4		69.4	69.4	69
≥ 14000 ≥ 12000	70.6 74.5	70.6		70.6			i			70.6 74.5		70.6	70.6		70.6 74.5	70
≥ 10000 ≥ 9000	76.8 77.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8 77.7	76.8	76.8	76.8	76.8	76.8	76
≥ 8000 ≥ 7000	78.7	78.7 81.0	78.7 81.0	78.7 81.0		78.7	78.7	78.7	78.7		78.7	78.7	78.7	78.7	78.7	78
≥ 6000 ∴ 5000	87.0	87.0 93.9	87.0	87.0	87.0		87.0	87.0	87.0	87.0 93.9	87.0		87.0	87.0		87
≥ 4500 ≥ 4000	95.8	95.8	95.8	95.8	95.8	95.8	95.8		95.8	95.8 96.8	95.8	95.8	95.8		95.8	95
≥ 3500 ≥ 3000	97.9	97.9 98.5	97.9		97.9	97.9	97.9		97.9	97.9	97.9	97.9		97.9	97.9	97
≥ 2500 ≥ 2000	98.7		98.7	98.8	98.9	98.9	98.9		98.9	98.9	98.9	98.9	98.9		98.9	98
≥ 1800 ≥ 1500	98.8	98.9		99.0		99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99
≥ 1200 ≥ 1000	99.6		99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
≥ 900 ≥ 800	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
≥ 700 ≥ 600	99.6		99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
≥ 500 ≥ 400	99.6		99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
≥ 300 ≥ 200	99.6	99.8	99.8	99.9	100.0	10040	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
≥ 100 ≥ 0	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

TOTAL NUMBER OF OBSERVATIONS

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

NATRONA CO/CASPER MY

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

1800-2000

: FEWNO							V:51	BILLITY 5"	ATUFE MILE	5						:
+£ Ē ፣	≥:0	≥6	≥ 5	≥ 4	≥ 3	32.	22	≥`	≥1.	≥ .	≥ .	≥ ,	2	≥5 '6	2.	≥c
NO CEIUNG ≥ 20000	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4		- 1		63.4
		72.6	72.5		72.6	72.6	72.6	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 18000 ≥ 16000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6 72.6	72.6	72.7 72.7	72.7 72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9
≥ 12000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6
- ≥ 9000	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 8000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 7000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 6000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 5000	96.0	96.0	96.0	96.0	96.Q	96.Q	96.Q	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4500	97.0	97.q	97.0	97.0	97.0	97.d	97.0	97.Q	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≟ 4000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.5		97.5		97.5	97.5	97.5
≥ 350∪	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3000	98.2	98.2	98.2	98.2	98.2	98.2		98.Z	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
2 2000	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	79.5
≥ 1800 ≥ 1500	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	77.5
	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	
≥ 1200 ≥ 1000	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	77.4
	99.4	99.5	99.6	99.6	99.6	00.4	97.3	77.3	99.6	99.6	99.6	99.8	99.8	77.6	99.8	99.1
· 2 900 ≥ 800	99.5	99.6	99.9	99.9	99.9	99. 0	99.9	99.0					100.0			
	99.5	99.6	99.9	99.9	99.9	00.4	00.0	00. d		100.0					100.0	
≥ 700 ≥ 600	99.5	99.6	99.9	99.9	99.9	99.0	99.9	99.9							100.0	
> 50C	99.5	99.6	99.9	99.9	99.9	99.0	99.9	99.9					100.0		100.0	
≥ 400	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9						00.0	
≥ 300	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0		100.0		00.0	
≥ 200	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.a	100.0		100.0	
≥ 100	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0					00.0	
≥ 0	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	.00.0

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATG WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CERNO							VIS	BILITY STA	LTUTE MILI	ES .						<u>-</u> -
· · · · · · ·	 0' ≤	≥6	≥ 5	≥4	≥ 3	≥2:	≥ 2	≥î : i≤	≥1.	≥1	2 •	≥ •	≥ .	≥5 16	2 ·	≥0
NO CEIUNG	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8		70.8
≥ 20000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	
≥ 18000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ '6000	77.0	77.0	77.0	77.0	77.0	77.0	77.0		77.0		77.0	77.0	77.0			
≥ 14000	77.6	77.6	77.6	77.6	77.6	77.6	77.6		77.6	. ,	77.6	77.6	77.6	77.6	77.6	77.6
≥ 12000	80.5	80.5	80.5	80.5	80.5	80.5	80.5		80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 100000	84.1	84.1	84.1	84.1	84.1	84-1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 9000	87.Q	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0			87.0				
≥ 8000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0		89.0	89.0				_
2 7000	89.9		89.9	89.9		89.9	89.9			89.9	89.9	89.9				
≥ 5000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	1			92.6	92.6	,	1 7 7 7	92.6	92.6
2 5000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9			74.9	94.9	94.9	94.9	94.9
- 4500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1		96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000	97.2	97.2	97.2	97.2			97.2					97.2				97.2
≥ 3500	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7		97.7	97.7	97.7	97.7	97.7	97.7
≥ 3000	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
. ≥ 2000	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	78.8
≥ 1800	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	78.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	98.9	99.2	99.2	99.2		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	98.9	99.2	99.2	99.Z	99.2	99.2	99.Z	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	
≥ 1000	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
> 900	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
3 500	99.4	99.8	99.8	99.6	99.8	99.6	77.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	>>.
≥ 400	99.4	100-0	100.d	100.0	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.d	100 · a	100 • d	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	200.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1 2 0 1	99.4	100.d	100 · a	100.d	100-0	1004 8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS...

(1)

()

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

NATRONA CO/CASPER WY

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(EIGING)							V151	SILITY STA	ITUTE MILE	\$ 						1
· FEET :	≥10	≥6	≥ 5	≥ 4	2.3	≥2.	≥.`	≥ .	21	≥1	2 4 1	≥ .	2 ,	≥5 16	2.	≱ა
NO CEIUNG ≥ 20000	69.8	77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0	69.8 77.0
≥ 18000 ≥ 16000	77.1	77.2	77.1	77.1	77.2 77.2	77.2	77.2 77.2	77.2 77.2	77.2	77.2 77.2	77.2	77.2	77.2	77.2	77.2	77.2
≥ 14000 ≥ 12000	77.6 80.8	77.9 80.8	77.9 80.8		77.9 80.8	77.9	77.9 80.8	77.9 80.8	77.9	77.9 80.8	77.9	77.9 80.8	77.9	77.9 80.8	77.9	77.9
≥ 10000 ≥	83.9 86.1	84.0 96.1	84.0	86.1	84.0 86.1	86.1	84.0	84.0	86.1	84.0	84.0		84.0		84.0	
≥ 8000 ≥ 7000	87.1	87.2	87.2	87.2	88.5	87.2	88.5	88.5		88.5	87.2	88.5	88.5	88.5	87.2 88.5	88.5
≥ 6000 ≥ 5000		90.8 93.9 95.0	90.8		90.9	90.9 93.9	90.9 93.9 95.0	90.9 93.9	90.9	90.9 93.9 95.1	90.9 93.9 95.1	90.9 93.9	90.9 93.9 95.1	90.9 93.9 95.1	90.9 93.9 95.1	93.9
± 4500 ± 4000	96.0	96.1	95.0 96.1	96.1	95.0 96.1 96.9	96.1	96.1	96.1	96.1	96.1	96.1 97.0	96.1		96-1	96.1	96.2
2 3500 2 1000 - 2500	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	98.0	1	97.7 98.0	97.7		97.7 98.0	97.7
2 2000	98.2	98.5	98.5		98.6	98.6	98.6	98.6	98.6	98.6	98.6	- 1	98.6	98.6	98.6	
2 150L - 120L	98.5	98.8	98.9	98.9	98.9	98.9	99.0	99.1	99.0	99.0	99.0	99.1	99.0	99.0	99.1	99.1
2 1000 2 900	98.8	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2 800°	98.9	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	1 1 7 7		99.5	99.5
2 500	99.1	99.5	99.6	1111	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.5	99.6	99.6	99.T	99.7
2 300	99.1	99.6		99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.0	99.8	99.8	97.8	77.0
2 200	99.1	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		99.9		
2 0	99.1	77.7	99.8	99.8	77.7	7707	99.9	99.9	77.7	77.9	7707	77.7	77.7	1 UU - G		

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH UTAFETAC ATT WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

7-569 NATRONA CO/CASPER WY 73-81
PERCENTAGE PREQUENCY OF OCCURRENCE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

SEP

· EIL NO	•						V151	Bit I STA	ITUTE MILE	5						•
rfí.	<u>≥10</u>	≥ 6	≥5	≥4	≥ 5	e2.	≥ 2	ž.,	31.	2	≥ .	٤,	2.	25 16	2.	≥0
NO CEILINI	79.1		79.1	79.1	79.1	79.1	79.1	19.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.2
≥ 20000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ :80000	80.4	80.4	87.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ +6000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
≥ '400C	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.9
≥ 12000	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	51.6
≥ 10000	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.4
≥ 9000	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.3
≥ 8000	25.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	65.9
2 7000	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5
≥ 6000	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.8
2 5000°	90.7	90.8	90.8	90.8	90.8	93.8	90.8	90.8	90.8	90.8	90.8	9C.8	90.8	90.8	90.8	90.9
> 4500	91.4	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7
≥ 4000	92.3	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6
> 3500	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.4	92.8	92.8	92.8	92.8	92.8	93.0
≥ 3000	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.5
> 2500	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.D	94.0	94.0	94.1
2006	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7
1800	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	95.0
± 1500	95.3	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7
≥ 1206	96.4	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.5
≥ 1000	96.4	97.1	97.2	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
, 90C	96.6	97.4	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.9
≥ 800	96.9	97.7	97.9	97.9	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.4
· 2 700	97.0		98.4	98.4	98.4	98.6	98.7	94.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9
≥ 600	97.1		98.5	98.5	98.5	98.7	98.9	02.0	98.9	94.0	98.9	08.0	94.0	98.9	98.9	99.0
> 500	97.2		98.6	98.4	10.4	98.9	99.0	99.0	99.0	99.0	99.D	99.0	99.0	99.D	99.0	
≥ 500 · ≥ 400	97.4	08.0	60.2		99.2	99.5	99.4	00.4		00.4	40.4			4.60	99.6	
	97.	98.9	99.2	99.2	99.2	99.5	99.6	99.6	99.6	99.6	99.6	99.6	00.4	99.6	99.4	99.7
≥ 300	97.5	, , ,	99.5	99.5	99.5	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.0	100.0
	97.5			99.5	99.5		99.9	99.9	99.9	79.9	99.9	99.9	99.9	99.9		100.0
≥ 100	1		77.3	77.3	7717					1	77.7	77.7		1111		
ــــــــــــــــــــــــــــــــــــــ	97.5	44.1	77.5	77.5	77.5	99.7	99.9	99.9	99.9	99.9	77.7	77.7	99.9	99.9	77.7	100.0

USAF ETAC 100 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

uedo-broo

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

					(FK	OM F	OUKL	UB3	ERVAI	10143)						
CELING							VISI	BILITY STA	NUTE MILE	\$						
+EE" *	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1.	≥1.	≥1	≥ .	≥ .	≥ .	≥5 16	**	≥0
NO CEILING	74.3	74.4	74.4	74.4	74.7	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.9	74.9	75.2	75.3
2 20000	78.9	79.0								79.4						
≥ 8000 ′	78.9	79.0					79.Z	,		79.4	79.4	- 1	79.5	79.5	79.7	79.9
≥ 16000	78.9	79.0				79.2					79.4	79.4	79.5	79.5	19.7	79.9
≥ 14000	79.5	79.6	1		79.9	79.9		1	80.0	80.0				40.1		
≥ 12000	81.4	81.5	81.5		81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9			82.3	
≥ 10000 ≥ 9000	84.4	84.6	14.6	84.6	84.5	84.8	84.8	84.0	84.9	84.9	84.9	84.9	85.1	1	85.3	85.4
	85.2	85.3	85.3	85.3	85.6	85.6		85.6	<u> </u>	85.7		85.7	85.6	45.6	86.1	86.2
≥ 8000 ° ≥ 7000 °	85.7	85.8	85.8	- : : : : : : : : : : : : : : : : : : :	86.1	86-1	86.1	86.1	86.Z	86.Z	86.Z	86.Z	86.3		86.6	86.7
	86.2	86.3	86.3	86.3	36.6	86.6	36.6	16.6	86.7	86.7	86.7		86.8		87.1	
2 6000 2 5000	87.5	87.6	87.6		87.8	87.8	1		88.0	****	88.0				58.4	88.5
	88.6	88.7	88.7							89.1	87.1	89.1	89.2	89.2		
: ≥ 4500 : ± 4000	88.6	88.7	88.7	88.7	89.Q	89.0		1		89.1	89.1	87.1	89.2		89.5	
	39.1	39.2		89.2						17.6		89.6	89.7		90.0	
/ ≥ 3500 ≥ 3000	90.1	90.3	90.3	90.3	90.5	90.5		,	90.6	90.6		90.6				_ : : :
·	90.9	91.0	91.0			91.3							91.5	91.5		91.9
≥ 2500 ≥ 2000	91.5	91.8	91.8	91.8	92.Q	92.0	,	92.0	. ,	,	92.2	92.2	92.3			
	92.0		92.4			92.8		92.8				22.9		93.0		
≥ 1800 ≥ 1500	92.4	92.9	93.2					1	1		93.7	93.7	93.6	93.8	94.1	94.2
<u> </u>	92.8	93.7				94.3				79.9	99.9	79.9	74.6	79.6	94.8	
≥ 1200	93.9	94.8	95.1	95.Z	95.4	95.4	95.4	95.4	95.6	75.6	95.6	95.6	95.7	1 1	95.9	96.1
·	94.1	95.3		95.8	96.1	96.1	96.1	96.1	96.2	76.2		70.2	96.3	70.3	70.0	70.7
> 900 ≥ 800	94.4	95.7	95.9	70.3	70.0	96.6	96.6	96.6	70.7	70.7	96.7	70.7	70.5	70.5	97.1	97.2
<u> </u>	94.7	96.1	96.3	96.7			97.2							97.5		97.0
≥ 700 ≥ 600	. • .					97.6	- 1	97.7	97.8		,	97.8		98.0		
	94.9	96.8		97.5	98.0			98.1	98.2	98.2				98.4		
. ≥ 500 ≥ 400	95.1						ľ	98.4	,	78.5	- 1				- 1	99.0
<u></u>	95.1		97.2				98.5				78.6			98.7		
2 300 2 200	95.1	1	97.2		98.2		(98.5	1		98.7		98.9	i	99.1	
·	95.1		97.2								98.9				99.6	
. 100 ج د جا	1			-1				. ,	- 1	- 1		- 1		99.1		-
	Y5 . 1	47.U	97.2	71.1	75.4	75.4	75.6	70.0	75.7	75.9	75.7	75.9	77.2	99.2	77,7	40.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

0300-0500

CET, NO	-						V15.	BILITY STA	ATU'E MILE	:5						!
FE	≥10	≥ 0	≥ 5	≥ 4	≥ 3	22.	22	≥'₁	21.	ž.	≥ '4	٠.	2	≥ 5 16	2.	≥0
NO CEILING 2 20000	79.9 82.4	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1	80.1	80.1	80.1	80.1
≥ 18000 ≥ 15000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 14000 ≥ 12000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
≥ 10000 ≥ 9000	85.7 86.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	85.9
≥ 8000 ≥ 7000	86.6 87.2	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 6000 ≥ 5000	88.9 90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	89.0 90.7	90.7	90.7	90.7	90.7	90.7
≥ 4500 ≥ 4000	91.7	92.3	91.7	91.7	92.3	92.3	91.7 92.3	92.3	92.3	91.7	91.8	91.5	92.4	92.4	91.8	92.4
≥ 3500 ≥ 3000 ≥ 2500	92.7 93.4 94.3	92.7	92.7 93.6	92.1 93.6	92.7	92.7 93.6	92.7 93.6	92.7 93.6	92.7 93.6	93.6	92.8	92.8	93.7	92.8 93.7	93.7	93.7
≥ 2000	95.1	95.5	95.5	95.3	95.5	95.5	95.3	95.3 95.5	95.3	95.5	95.5	95.5	95.5	94.7	75.5	98.5
≥ 1500	95.6	96.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.Z	96.2	96.2	96.2
≥ 1000 ≥ 900	96.1	97.1	97.2	97.2	97.3	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800 ≥ 700	96.6	97.6	97.7	97.9	98.5	98.4	98.1	98.6	98.1	78.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600 ≥ 500	96.8	98.1	78.5	98.4	98.7	98.9	98.9	98.9	98.9	78.9	99.1	99.0	99.0	99.0 99.1	99.0 99.1	99.1
≥ 400	97.1	78.5	99.0	99.1	99.4	99.5	99.5	99.5	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.7
≥ 200 ≥ 100 ≥ 0	97.1	78.6	99.0	99.1	99.4	99.5	99.5	79.5	99.5	99.5	99.6	99.6	99.9	99.7		100.0
L	97.1	78.6	77.0	77.1	77.4	77.3	77.5	77.5	77.5	99.5	99.6	77.6	77.7	77.7	100.0	100.0

TAL NUMBER OF OBSERVATIONS

USAF ETAC 10164 0-14-5 (OL A) MEMOUS EDITIONS OF THIS FORM AND DEBOLET

12

Section 20 and a second

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

725693 NATRONA CO/CASPER WY 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

- SEP 0500-7100

.f uNo							v 51	BILITY STA	JUM BYUT.	5						
FEET	≥ 10 1	≥ 6	≥ 5	≥ 4	≥ 3	≥2:	≥2	≥ .	≥ .	≥ '	2 4	≥ .	<i>2</i>	25 %	<u>.</u>	≥0
≤20000 j	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0 79.8	72.0 79.8	72.0 79.8	72.0 79.8	72.0 79.8	72.0
≥ 18000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8		
≥ 16000	79.8	79.4	79.8	79.4	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.5	79.8	79.8 80.5	79.8
≥ 14000	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	82.0	82.0
≥ 12000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	<u> </u>	85.6	96.4	85.6	85.6	85.6
≥ 10000 ≥ 9000	85.6	85.4	85.6	85.4	85.6	85.6	85.6	85.6	85.6	63.0			84.1	84.1	84.3	84.1
	86.1	86.1	80.1	86.1	86.1	86.4	86.6	86.6	86.1	86.1	86.1	86.6	86.6	86.6	86.6	86.6
≥ 8000 ≥ 7000	86.6	86.6	80.0	86.6	86.6	86.8	86.8	86.6	86.8	86.8	84.8	86.8	26.8	86.8	86.8	86.8
	86.8	88.2	88.2	86.4	86.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 6000 ≥ 5000	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	
> 4500	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
± 4000	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
> 3500	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 3000° (92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
> 250û	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	99.3	94.3	94.3	94.3	99.3	94.3
≥ 800	94.3	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
2 1500	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1204	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
2 1000	96.9	97.7	98.0	98. d	98.d	98.0	98.1	98.1	98.1	78.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 9(Y)	97.0	97.9	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.Z	98.2	98.2	98.2	98.2	98.2
≥ 800°	97.1	98.1	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.6	98.6	98.6	78.6	98.6	98.6	98.6
2 700	97.2	98.5	98.9	98.9	98.9	98.9	99. a	99.0	99.Q	99.1	99.1	99.1	99.1	99.1	99.1	99.1
> 900.	97.4	98.7	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99,4	99.4	79.4	99.4	99.4	99.4	99.4
≥ 500	97.4	98.7	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.4	99.5	99.5	99.5	99.5	99.5	
2 400	97.4	98.7	99.4	99.4	99.4	99.4	97.6	99.6	99.6	99.7	99.9	99.9	99.9	79.9	99,9	99.9
≥ 300	97.4	98.7	99.4	99.4	99.4	99.4	99.6	99.6	89.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9
2 200	97.4	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0		100.0
2 100	97.4	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.9	99.9			100.0	
<u>.</u> 0	97.4	98.7	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 10.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

73-81

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEIUNG							VIS	IBILITY STA	ATUTE MILE	ES						
FEET	≥10	≥6	≥5	≥ 4	≥ 3	≥2:	≥2	≥ì:	≥1.	≥ '	≥ .	≥:,	≥ .	≥5 16	2 . (≥0
NO CEILING 2 20000	70.1 77.4	70.1	70.2 77.5	70.2 77.5					70.2 77.5	70.2 77.5	70.2 77.5	70.2 77.5	70.2 77.5	70.2 77.5	70.2 77.5	
≥ 18000 ≥ 16000	77.4 77.4	77.4	,	77.5 77.5	77.5 77.5	77.5 77.5	77.5 77.5	77.5 77.5	77.5 77.5	77.5	77.5 77.5	77.5 77.5	77.5 77.5	77.5 77.5	77.5 77.5	77.7
≥ 14000 ≥ 12000	77.5 79.2	77.5	1	77.7 79.3	77.7 79.3	77.7	77.7 79.3	77.7 79.3	77.7 79.3	77.7 79.3	77.7 79.3	77.7	77.7 79.3	77.7 79.3	77.7 79.3	77.8
≥ 10000 ≥ 9000	80.7 81.0	80.7		80.8	80.8	80.8	80.8	8D.8	80.8	80.8	80.8	80.8	80.8 81.1	80.8	80.8	81.0 81.2
≥ 8000 ≥ 7000	81.7 83.0	81.7 83.0	1 1	81.9 83.1	81.9	81.9	81.9 83.1	81.9	81.9	81.9	81.9	81.9	81.9 83.1	81.9	81.9	82.0
≥ 6000 ± 5000	86.2 89.3	86.2	86.3	86.3 89.5	86.3	86.3	86.3 87.5	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4
≥ 4500 ≥ 4000	90.1 91.8	90.1	91.9	90.2	90.Z 91.9	90.2	90.2 91.9	90.2	90.2 91.9	90.2	90.2 91.9	90.2 91.9	90.2	90.2 91.9	90.2 91.9	90.4 92.0
≥ 3500 ≥ 3000	93.5	93.5	93.7 94.3	93.7	93.7	93.7	93.7 94.3	93.7	93.7	93.7 94.3	93.7	93.7 94.3	93.7	93.7 94.3	93.7	93.8
≥ 2500 ≥ 2000	94.5 95.1	94.5 95.1	94.7	95.2	94.7	94.7	94.7 95.2	94.7 95.2	95.2	94.7	94.7 95.2	94.7 95.2	94.7 95.2	94.7 95.2	94.7 95.2	94.8
≥ 1800 ≥ 1500	95.4	95.4 96.6	95.6	95.6	95.6 96.7	95.6	95.6 96.7	95.6 96.7	95.6	95.6 96.7	95.6 96.7	95.6 96.7	95.6 96.7	95.6 96.7	95.6 96.7	95.7 96.8
≥ 1200 ≥ 1000	97.5 98.0	98.0	98.2	97.6 98.2	98.2	98.2	98.2	97.6	97.6	98.2	97.6	98.2	98.2	98.2	97.5 98.2	97.7 98.4
2 900	98.4 98.4 98.5	98.4	98.7	98.7	78.6	78.7	78.6	78.7	94.7	78.6	78.6	98.6	98.7	98.7	98.6	98.7
≥ 700 ≥ 600	98.7	98.9	99.2	99.4	99.0	99.4	99.0	99.4	99.4	99.4	99.4	99.0	99.0	99.4	99.0	99.1
2 500 ≥ 400 ≥ 300	98.7	99.1	99.5	99.4	99.7	99.4	99.4	99.7	99.7	99.7	99.7	99.4	99.7	99.4	99.4	99.5
200	98.9	99.2	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	77.9	99.9	100.0 100.0
2 3	98.9	99.2		99.9	79.9	99.9	99.9	79.9	,,,	99.9	99.9	99,9	99.9	99.9		100.0

TOTAL NUMBER OF DESERVATIONS...

USAF ETAC 1044 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

7 569C NATRONA CO/CASPER MY 73-81 SEP

PERCENTAGE FREQUENCY OF OCCURRENCE 1500-1700

FROM HOURLY OBSERVATIONS

ELING.							V1518	BILL STA	TLIFE ANDE							
. 466.	≥ '0	≥6	≥ '.	≥ 4	≥ ;	≥2.	≥ 2	≥'	≥'.	≥1 .	2 . :	2	2	25 18	2.	±0 !
NO CEUNO ≥ 20000		66.0 75.2			66.Q	66.0 75.2			,						66.0 75.2	
≥ 18000 ≥ 15000	75.2 75.2	75.2	75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	-		75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2	75.2 75.2
≥ 14000 ≥ 12000	76.3 79.2	76.3 79.2	76.3	76.3 79.2	76.3 79.2	76.3 79.2	76.3	76.3 79.2	76.3	76.3 79.2	76.3	76.3 79.2	76.3	76.3		76.3 79.2
≥ 10000 ≥ 2000 2000	80.6 81.5	80.6	80.6	80.6 81.5	80.6	80.6 81.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6		80.6 81.5
≥ 8000 ≥ 7000	81.7	81.7	83.5	81.7 83.5	81.7	81.7	81.7	81.7		81.7		83.5	81.7	83.5	81.7	83.5
≥ 6000 ≥ 5000	91.2	91.2	91.2	87.7 91.2	87.7 91.2	87.7 91.2	91.2	87.7 91.2	91.2	91.2	87.7 91.2	87.7 91.2			87.7 91.2	91.2
≥ 4500 ≥ 4000 ≥ 3500	92.3	92.3	92.3	92.3	93.2		93.2	93.2		93.2	92.3			93.2	92.3	93.2
≥ 3000 ≥ 3000 > 2500	95.8	95.8	95.8	95.8	94.6 95.8 96.2	94.6 95.8 96.2	94.6 95.8 96.2	94.6 95.8 96.2	95.8	94.6 95.8 96.2	95.8 96.2	94.6 95.8 96.2	95.8	95.8	94.6 95.8 96.2	95.8
≥ 200°	96.7	96.7	96.7	96.7	96.7	96.7	96.7		96.7		96.7	96.7	96.7	- 1	96.7	96.7
≥ 1500	97.7	97.7	97.7	97.7	97.7	97.7			- • • •				97.7		97.7	97.7
2 1000	98.5	99.0	99.0	99.2	99.0	99.4		99.Q			99.0		99.0	99.0	99.0	
2 800	98.7	99.5	99.5	99.5	99.5	99.6		99.6							99.6	
≥ 500	99.1	99.9	99.9	99.9	100-0	100.0	100.0	100.0	00.0	100.0	100.0	100.01	00.0	100.0	100.01	00.0
2 400 2 30°	99.1	99.9	99.9	99.9	100.0	100.0	100.0	100.0	00.0	100.0	100.0	100.0	00.0	100.0	100.01	00.0
≥ 200 ≥ 30	99.1	99.9		99.9	100.0	100.0	100.0	100.0	00.0	100.0	100.0	100.0	00.0	100.0	100.01	00.0
2 0	99.1	99.9	99.9	99.9	100.Q	100-Q	100.0	700 · 0	100.0	100.Q	100.0	100. QI	00.0	100.00	100.01	00.0

USAF ETAC 1. M4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH SAFETAC ATF WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

SEP. 1800-2000

VISIBBLITE STATUTE MILES 21. 26 25 24 28 22: 22 21 21 21 24 24 27 2 25 5 2 1400x 2.12008 -10000 ≥ 8000 ≥ 7000 ≥ 400C ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 ≥ 1800 ≥ 1500 ≥ 1200 1000 900 700 ≥ 500 400

98.7 99.5 99.6 99.6 99.6 99.6 99.6 99.6 99.9 100.0100.0100.0100.0100.0100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72569: NATRONA CO/CASPER WY 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

-- <u>- SEP</u> --2100-2300

25 24 25 22 27 2 274 27 24 350k 2 350€ 2 300€ 2500 2 2000 2 1900 ₹ 100L 800 200 200

VISIBLE TY STATUTE MUES

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 10.04 0-14-5 (QL A) PREVIOUS ENTINES OF THIS FORM ARE DESOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AT WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

SEP

25690 NATRONA CO/CASPER HY 73-81

PERCENTAGE FREQUENCY OF OCCURRENCE

FROM HOURLY OBSERVATIONS

CERTING							¥151	BHUTT STA	itute wile	۲,						
. FEE.	<u></u>	≥ 6	≥ '	≥4	? 3	27	≥ 2	۱ ح	: .	2.	2	≥ .	<u> </u>	25 10		≥0
NO CERUNG ± 20000	74,2		74.2	74.2	74.3	74.3		74.3		74.3	74.3	74.3	74.3	74.3	74.4	74.4
≥ 18000 ≥ 15000	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4	79.4
≥ :4000 ≥ :7000	79.7 81.4	79.7	79.8	79.8	79.8	79.8	79.8 81.5	79.8 81.5	79.8	79.8	79.8	79.8	79.8	79.8	79.9	
≥ 1000€ ≥ 900€	83.6 84.2	83.6 84.3	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	84.4	83.7	83.7	83.7	83.8	83.8
≥ 8000 ≥ 7000	84.8 85.9	84.8 86.0	84.8 86.0	84.8 86.0	84.9 86.0	84.9	84.9 86.0	84.9 86.0	84.9 86.0	84.9	84.9 86.D	84.9	84.9	84.9	85.0	85.0 86.1
≥ 6000 ≥ 5000	88.1 90.2			90.3			88.2 90.3	90.3	90.3			88.3 90.4	88.3	88.3 90.4		88.4 90.5
≥ 4500 ≥ 4000		91.1		91.1		92.0	92.0	92.0		92.0	92.0	92.0	91.2	92.0	92.1	92.1
2 3500 2 3000 2 7500	92.8	92.9	92.9	92.9 93.9	92.9	93.9	93.9	92.9 93.9	93.9	93.9	93.9	92.9	93.9	93.9	94.0	93.0
≥ 2006	95.Q			95.2 95.5	95.5	94.5 95.3 95.5	94.5 95.3 95.5	95.3 95.5	95.3	94.6 95.3 95.5	94.6 95.3 95.5	94.6 95.3 95.5	95.3 95.5	95.3 95.5	94.6 95.3 95.4	95.4
≥ 1500	95.8	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2 97.4	96.2 97.4	96.3	96.3
≥ 1000	96.9	97.5	97.7	97.7	97.8	97.8	97.8	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.D
≥ 800	97.4	98.4	98.2	98.3	98.4	98.4	98.5	98.5 99.0	98.5	98.5	98.6	98.6	99.1	98.6	98.6	98.7 99.1
≥ 600	97.5	98.6	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.3	99.4	99.3
2 400 2 300 2 700	97.7	98.9	99.2	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7 99.8
2 700 5 100 2 9	97.7 97.7 97.7	98.9	99.2	99.3	99.5	!	99.6	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.9	00.0
	7/0/	98.9	77.4	99.3	77.5	77.5	99.6	99.6	99.6	77.1.	77.8	77.5	77.0	77.70	100.01	LUG - O

USAF ETAC 101 04 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72569" NATRONA CO/CASPER WY 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0000-0200

2.4 e obraix ≥ 180YY 3 TAPRE ≥ 14000 2 1/00 ± 1000€ ≥ 2000 ≥ 800K ≥ 1000 77.4 78.1 78.1 78.1 78.1 78.1 78.1 78.2 78.2 78.2 78.3 78.3 78.3 78.3 78.3 78.3 78.3 2 6000 3 5000 * 450C 4000 350U 2500 200C 1800 ≥ 15(% 40C 2 600 5:10 300

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 0104 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725690 NATRONA CO/CASPER WY 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE

0300-0500

<u>"oct</u>

CE JING							v151	Billia Sta	TUTE MILE	5						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 5	≥2.	≥?	≥1	≥, .	≥ 1	≥ .	≥ ,	2 .	25 16	2	≥0
NO CEUNO			72.0													
± 2000C	75.8	75.8	75.9									75.9	75.9,	75.9	75.9	76.0
≥ 18000			75.9				75.9					75.9	75.9	75.9	75.9	76.0
2 16000	75.8	75.8		75.9	75.9	75.9	75,9			75.9	75.9	75.9	75.9	75.9	75.9	76.0
≥ 14000	75.9	75.9	,		76.0			76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76-1
≥ 12006	77.0	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1.	77.2
≥ 10000	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
≥ 9000	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2
≥ 8000	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.5
. ≥ 2000	78.7	78.7	78.8	78.8	78.8	78,8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8.	78.9
≥ 6000	79.4	79.4	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7
≥ 5000	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.5
2 450C	80.9	80.9	81.0	81.Q	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.D	81.2
≥ 4000	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.D	82.0	82.0	82.0	82.1
≥ 3500	83.1	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2
≥ 3000	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.6
≥ 2500	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9
≥ 2000	87.5	87.8	87.9	87.9	87.9	87.9	87.9	87.9	67.9	87.9	87.9	87.9	87.9	47.9	47.9	88.0
≥ 1800	87.5	87.6	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.2
! ≥ 1500	88.2	88.5	89.0	89.0	89.0	89.Q	89.0	89.0	89.0	89.0	89.D	89.0	89.0	89.0	49.0	89.1
≥ 1200	89.7	90.3	90.8	90.8	90.8	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2
≥ 1000	90.8	91.9	92.4	92.4	92.4	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8
900	91.6	92.8	93.3	93.3	93.5	93.6	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
? 800	91.9	93.4	94.0					94.6	94.6	94.6			94.7	94.7		94.9
2 700	92.4	93.9	94.5	94.5	94.7	94.9	95.1	95.3	95.3	95.3	95.3	95.3	95.5	95.5	95.5	95.6
≥ 600	92.5			95.0						1	96.2	96.2	96.3	96.3	96.3	96.5
≥ 500	92.5	94.4	95.0	95.0	95.2	95.3	95.7	96.2	96.2	96.2	96.2	96.2	96.3	96.3	96.3	
≥ 400	92.8	94.9	95.5													
2 300	92.9		95.6											98.0		
2 200	93.0	95.1	95.7	95.8												
2 '00	93.0	95.1	95.7													
∮ ≥ e			95.7						78.8			99.1	99.3	99.3	99.4	

(FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 100 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

()

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725690 NATRONA CO/CASPER MY

73-81

- OCI

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

E NI							V 5 E	er sta	Jule MikE	5						1
iff.	· · · · ·	≥ 6	≥ 5	24	23	≥.	22	≥.	≥'.		4 €	≥ .	2	25 6	· ·	≥0
N/S EDING	69.2	68.3	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.6
25.14			74.1													
≥ 8(x	74.4	74.5	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.8	74.9
* 51%			74.5													
≥ 1400k			75.2													
: 1200c	77.7		77.8													
- TENK	79.2		79.3													
≥ 900£	79.8			80.0												
≥ 8000°	80.7	80.8	80.8				80.9									
≥ 7000 i	81.2	81.4	81.4				81.5									
≥ 6000	81.9	82.1	82.1				82.3									
≥ 5000 1	83.3	83.5	83.5	83.6			83.6									
2 4500	84.2	84.5	84.5	84.6	84.6		84.6								84.7	
£ 4000	84.5	84.7	84.7	84.9	84.9	84.9	84.9	84.9	84.9	,		,	1			
≥ 3500	85.3	85.6	85.6	85.7		-	85.7									
≥ 3000	86.6	86.9	87.1	87.2												
> 2500	87.3	87.7		87.9			87.9									
≥ 2000	88.4	88.9	:				89.3	;				(
2 1800	88.7		89.4	89.5			89.5								89.7	
2 1500	88.8	89.5	:	89.9			90.0									
20€	89.9		91.0				91.5									
2 1000	90.4	91.6	91.9	92.1	92.1	92.1									92.7	
. V(X.	90.9	92.1					93.1									
2 800	91.4			93.5	93.5		93.8									
700			93.5	93.6	93.0	93.8				94.7					94.8	
≥ 60℃	92.1	93.3		94.2)		95.0		[
500	92.4		94.1		94.6		95.3								96.6	
± 400	92.4			94.7			95.7			,	26.8				96.9	
	1	94.1			95.6				97.0						98.3	
2 300	92.5			95.3			96.4									
	92.3				95.6										99.3	
10C																
نـــــــــــــــــــــــــــــــــــــ	72.3	94.1	77.5	95.3	73.0	73.1	70.0	71.5	77.4	78.2	77.1	77.1	77.3	77.5	99.41	UU. 0

OTAL NUMBER OF OBSERVATIONS ______

USAF ETAC - 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE DESCRE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHEM SERVICE/MAC

2

CEILING VERSUS VISIBILITY

72569 NATRONA CO/CASPER MY 73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEIUNG							vi\$1	BILITY STA	ITUTE MILE	5						
FEET	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2	2:	≥	≥1 .	≥ :	≥ , ·	≥.•	≥ .	2516.		≥0
NO CEIUNG ≥ 20000	63.5	63.6	-			63.6			63.6			,		63.6		63.6
≥ -8000 ≥ 16000	72.9 73.2	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3		73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3	73.1 73.3
≥ 14006 ≥ 12006	73.6 76.5	73.7 76.6	73.7 76.6	73.7 76.6	73.7 76.6	73.7	73.7 76.6	73.7 76.6	73.7 76.6	73.7 76.6	73.7 76.6	73.7 76.6		73.7 76.6	73.7	73.7 76.6
20000 ≤	78.5 80.0	78.6 80.2		80.2		80.2	78.6		80.2		80.2	78.6 80.2		78.6 80.2	78.6	
≥ 8000 ≥ 7000	81.9	81.4 82.0	81.4 82.0	82.0		81.4			81.4					82.0		82.0
≥ 6006 ≥ 5000	82.7	82.9	82.9	82.9	84.5	84.5	84.5	84.5	84.5	82.9	82.9 84.5	82.9	84.5	84.5	84.5	84.5
≥ 4500 ≥ 4000	85.8	85.9	85.9	85.9	86.0	85.1		86.0	85.1 86.0	86.D		86.0	85.1 86.0		86.0	86.0
≥ 3500 ≥ 3000 ≥ 2500	88.9	86.9	89.1	89.1	89.4		89.4	89.4	87.0 89.4	89.4	89.4	89.4	87.0 89.4	89.4	89.4	
≥ 2000	90.2	90.5	90.6	90.6	90.8	90.9		90.8	90.8			90.8	90.8	90.8	90.8	90.8
≥ 1500	90.7	90.9	91.2	91.2	91.4	91.4	91.4	91.4		91.4	91.4	91.4	91.4	1	91.4	91.4
≥ 1000	92.4	92.9		93.3		93.5		93.6		93.6	93.6	93.6	93.6		93.6	93.6
≥ 800 ≥ 700	93.9	94.9	94.9	95.5			95.3	95.3	95.3	95.8	95.8	75.8	95.8	95.8	95.8	95.8
≥ 500	94.2	95.5 95.5			96.5		96.6	96.6	96.6	97.3	97.6			98.0	97.6	97.6
2 400	94.2	95.5 95.5	96.3	96.5	76.6	96.6	97.3 97.7	97.8	97.8	98.5	98.5	78.7	99.1	98.5	99.1	98.5
± 700 ± 100 ± 0		95.5		96.5	96.8 96.8	96.8	97.7 97.7 97.7	97.9	97.9	98.9		99.5	100.0		100.0	100.0

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY 72569G 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

OCT_ 1200-1400

F . *•							V-5+	Bili*v §14	ITL'E MILE	5				_		
FEE *	* 10	≥ 6	2.5	≥ 4	≥ 3	≥2.	≥ 2	≥1	≥' •	21	2.	2 .	-	≥ 5 16	≥ .	≥c
No. Fin	63.6	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
2 2 PERM	73.8	73.4	73.8	73.8	73.8	73.8	73.8	73.8								
≥ B(¥4)	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
1.150%	73.8	73.8	73.8	73.6	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2 4000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
2.12000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
± 10000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 900	81.6	81.6	81.6	81.6	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
_ /J 00 0 .	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83'. 3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
> 450C	85.0	85.0	85.0	85.Q	85.0	85.Q	85.Q	85.0	85.0	85.0	85.0	85.Q	65.0	8.5 . 0	85.0	85.0
2 4000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
3500	87.8	87.5	87.8	87.8	87.8	87.8	87.8	87.4	87.8	87.6	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
7500	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
2006	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
> 800	92.4	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 500	93.4	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
200.	94.8	94.5	94.9	94.9	95.0	95.0	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ .noc	95.8	96.0	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.5	76.5	96.5	96.5	96.5	96.5	96.5
900	95.9	96.3	96.4	96.9	97.0	97.0	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2 800	96.0	96.4	76.5	97.0	97.3	97.3	97.4	97.5	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8
700	96.0	96.4	96.5	97.d	97.3	97.3	97.4	97.4	97.6	97.8	78.0	98.0	98.0	78.0	98.0	78.D
2 600	96.0	96.4	96.5	97.0			97.4	97.6	97.6	78.0	98.3	98.3	98.3	78.3	78.3	78.3
> 500	96.2	96.4	97.0	97.5		97.9		76.4							99.0	99.0
≥ 400	96.2	96.	97.3	97.4	78.1	98.1	98.3		98.8	99.1	99.4	77.4	99.4	99.4	77.4	77.4
> 30C	96.2	96.8	97.3	97.4	71.3	94.3	98.4	78.9	98.9		99.5	77.5	99.6		99.6	99.6
≥ 200°	96.2	76.8	97.3	97.	98.3	98.3	98.4	99.1	99.1	99.5	77.8	99.8	100.0	100.0	100.0	100.0
	96.2	96.8	97.3	97.4	77.3	94.1	94.4				77.8				100.0	
	96.2		97.1	97.	94.3	98.3		1117				1			100.0	
						,,,,,	,,,,,,									

404

USAF ETAC 3.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GL08AL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

OCT

7 Egi n G							٧٠Sı	BILLITY STA	VIOLE WITE	5						1
1651	≥10	≥6	≥ 5	≥4	≥ 3	≥2	≥ 2	≥1	≥1.	≥ •	2.	≥ .	2	25 10	2.	≥0
NC EICING	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
2 20000	71.8	71.8	71.8	71.8	71.8	71.8	71.8				71.8	71.8		71.8	71.8	71.8
≥ 18000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
2 16000	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 1400C	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.5
. 2 12000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 10000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 9000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 8000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 7000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 5000	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
450C	86.8	86.9	86.9	86.9	86.7	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 4000	88.6	88.7	88.7	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 3500	89.1	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
. ≥ 3000	90.0	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 2500	91.0	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2000	92.4	92.5	92.6	92.6	92.7	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	92.7	92.9	93.0	93.0	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 1500	93.9	94.1	94.2	94.2	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
2 1200	95.3	95.5	95.8	95.9	96.2	96.4	96.4	96.5	96.5	96.5	96.5	76.5	96.5	96.5	96.5	96.5
2 1000	95.8	96.4	96.9	97.0	97.5	97.6	97.6	97.7	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1
- 400	96.0	96.6	97.2	97.6	98.1	98.2	98.2	98.4	98.5	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	96.0	96.6	97.3	97.7	78.2	98.3	98.3	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	96.Q	96.6	97.3	97.7	98.2	98.3	98.3	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	96.d	96.6	97.3	97.7	98.2	98.3	98.3	98.5	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	96.0	97.0	97.7	98.1	98.5	98.7	98.7	98.9	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	96.1	97.1	97.8	98.2	98.7	98.8	98.8	99.0	99.2	99.4	99.6	99.6	99.6	99.4	99.6	99.6
≥ 300	96.1	97.2	97.9	98.1	98.8	78.9	99.D	99.3	99.4	99.6	99.9	99.9	99.9	99.0	99.0	99.9
2 200	96.1	97.3	98.1	78.4	98.9	99.0		99.4	99.5	99.4	100.0	100.0	100.0	100.0	100.0	
2 0	96.1	97.3	98.1	98.4	98.0	99.0	99.2	99.4	99.5	99.4	100.0		100.0			
≥ 0	96.1	97.3	98.1	98.4	98.9	99.0	1177	99.4	99.5	99.4	100.0			100.0		
	1 7 7 7 7		,,,,,,		, , , ,					,,,,,,		-4414	4014	AAIA	AATA	MAN A

73-81

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 101 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

C

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

72569: NATRONA CO/CASPER NY 73-81 OCT

FROM HOURLY OBSERVATIONS

' F . N' :							v151	BILITY STA	TUTE MILE	5						1
FEET	3.3		25	≥ 4	· · ·	±2:	22	≥1	≥1.	≥:	<u> </u>	2	3 ,	≥5 16	2.	≥ċ
NG FERM	47.7	63.3	63.3	47.1	63.3	63.3	41.1	47.7	47.8	63.3	48.8	47.7	41.1	47.8	63.3	42.7
± 2000C	72.6	72.6	72.6	72.6						72.6						
* - 1800°		72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6		72.6	
2 50 V	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6		72.6		72.6	72.6	72.6		
2 140XH	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	
2000 PORK	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74 . 7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
2 140N	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.Z
5 5:00C	77.5	77.5	77.5	77.5	77.5	77.9	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
. 800C	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
2 2000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
÷ 9(kX)	82.6	82.6	82.6	82.6	82.6	82.4	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2 5000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 450C	87.3	87.3	37.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
. 4000	88.6	88.4	88.8	88.4	88.8	88.4	88.8	88.8	***	88.7	88.9	88.9	88.9	88.9		88.9
2 3500	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	47.5	89.6	87.6	89.6	89.6	87.6	89.6	87.6
3000	90.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0		91.1	91.1		91.1	91.1		91.1
2 2500	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	
≥ 2000	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0		93.0	93.0		93.0	
, ≥ 1800 ≥ 1500	92.9	93.8	73.7	93.4	93.5	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6
	93.2	73.8	73.7	93.9	94.Q	94.0	94.0	94.0	94.0	96.2	94.1	94.1	96.2	96.2	96.2	96.2
. ≥ 1200	94.9	75.4	73.3	75.0	97.3	97.2	97.2	97.3	97.3	97.4			97.6		97.6	97.6
·	95.1	96.1	94.0	97.3	97.4	97.4	97.4	97.7	67.7	97.0	97.9	97.9	97.9	97.9		97.9
800	95.1	96.5	97.4	97.9	08.7	98.2	98.2				00.5	98.5	98.5	98.5	98.5	98.5
700	95.2	96.7	97.8	94.3	98.5	98.5	98.5	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	95.4	96.8	97.9	98.4	98.7	98.7	98.7	98.8	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
500	95.7	97.2	98.3	98.8	99.0	99.0	99.0	99.1	99.1	99.5	99.5	99.5	79.5	99.5	99.5	99.5
2 400	95.8	97.4	98.5	99.0	99.3	99.3	99.3	99.4	99.4	99.8	99.8	99.8	79.8	77.8	99.8	77.8
2 300	95.8	97.4	98.7	99.1	99.4	99.4	99.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9
2 200	95.4	97.4	98.7	99.1	99.4	99.4	99.4	99.6	99.6	100.0	100.d	100. d	100.0	100.0	100.0	100.0
> 10C	95.8	97.4	98.7	99.1	99.4	99.4	99.4	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 0	95.6	97.4	98.7	99.1	99.4	99.4	99.4	77.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0
<u> </u>			 +													

USAF ETAC 10104 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

73-81

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	j	VISIBILITY STATUTE MILES														
	≥10	≥ 6	2 5	<u>.</u> 1	2 :	22	± ?	ا ج	≥. •	≥1	2.	2.*	≥ .	≥5 10	2.	≥0
NO CEIUNG 2 20000	65.6	65.7	65.7	65.7	65.7	65.7				65.7			65.7	65.7	7.7.7.1	=1
≥ 18000 ≥ 16000	71.7	71.8	71.8	71.8	71.8	71.8		71.8	71.8		71.8		71.8	71.8		72.0
≥ 4000 ≥ 2000	71.8	72.0	72.3	72.0	72.0	72.0	72.0	72.0		72.0	72.0		72.0	72.0 73.8	72.1	72.1
≥ 1000f ≥ 900u	76.d	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.3	76.3
≥ 8000 ≥ 7000	78.6	78.7	78.7	78.7	78.7	77.5	78.7	78.7	77.5	77.5	77.5	77.5	78.7	77.5	77.6	78.8
≥ 6000 ≥ 5000	81.1	79.7 81.2	81.2	81.2	81.2	81.2	61.2	81.2	81.2	79.7	81.2	81.2	[81.2	79,8	81.3
> 4500 ≥ 4000	E.E.	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	82.7	82.8	
≥ 3500 ≥ 3000	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5
≥ 2500 ≥ 2000	87.8	88.6	88.6	88.6	88.6	84.6	88.6	86.5	86.5	86.5	88.6	88.6	88.6	88.6	88.7	7.7.7.1
≥ 1800 ≥ 1500	90.q 91.1	92.3	92.5	92.5	92.5	92.6	91.4	92.6	;	92.6	91.4			92.6	- 1	
≥ 1200 ≥ 1000	91.5	94.2	94.6	94.7	94.7	93.1	93.1	93.2	1	95.0	95.0	95.0	- 1	95.0	95.1	95.1
≥ 900 ≥ 800	94.0	95.0	96.3	96.4	75.3	96.6	96.6	95.6	95.6	95.6	96.8	96.8	96.8	95.6	96.9	96.9
≥ 700 ≥ 600	94.6	96.7	97.2	97.3	97.4	97.7	97.8	98.0	98.0	97.9	98.3	98.3	98.3	98.3	98.4	98.4
≥ 500 ≥ 400	94.7 95.0 95.0	97.3	97.9	98.0	98.2		98.5	98.2	98.0	99.0	98.5	99.1	99.1	98.5	98.6	98.6
≥ 300 ≥ 700	95.0 95.0	97.3	97.9	78.2	78.4	98.5	98.8	99.0	99.0	99.3	99.4	99.4	99.5	99.5	99.4	79.6
≥ 100 ≥ 0	95.0	97.3	97.9	98.2	98.4	98.6	98.9	99.1	99.1	99.5	99.5	99.6	99.8	99.6	99.8	99.9
<u> </u>	95.0	7/05	7109	78.2	75.4	75.0	98.9	99.1	99.1	99.5	79.6	77.6	99.8	77.8	99.9	00.0

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC 101 MA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY 73-81 ____QCT___ 725690 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS VISIBLE TO STATE TE MILES ≥7 ≥ 21, 21 2, 2, 2 256 2. ≥10 . ≥6 NO - LIHNO ≥ 20000 2 150 Y ≥ 14000 ≥ 12000

≥ 10000 ≥ 9000 ≥ 8000 - 2000 ≥ 6000 ≥ 5000 : 4500 : 4000 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 ≥ 1800 ≤ 1500 2 1200 1000 700 600 500

TOTAL NUMBER OF OBSERVATIONS.....

USAF ETAC 10164 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESCRITE

GLGGAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72569° 73-81 NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

NOA 0000-0200

EUNIS		VIS/BIC TO STATUTE MICES														
+ 6 E -	10 ≥ 10	≥ 6	≥ 5	≥ 4	. د ج	22.	≥ 7	5.	≥`,	2	٤.	≥ ,	2	25 16	2.	≥0
NO CEUINO 20000			65.9					65.9		65.9						
- 1800°	72.1		72.1		72.1					72.1					72.1	
2 1500K	72.1	72.1	72.1		72.1					72.1						
2 400C	72.5	72.5	72.5	72.5	72.5	72.5	72.5						72.5			
± 2000	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 10000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000	76.0	76.0	76.0	76.Q	76.0			76.0					76.0			
≥ 8000	77.5	77.5	77.5	77.5	77.5	77.5		77.5					77.5			
≥ 2000	79.1							79.1								
≥ 6000 ≥ 5000	80.0		80.0	80.0	80.0			80.0		,		80.0	80.0		80.0	
- 450C	81.4	81.5	81.5	81.5	81.5	81.5						81.5		81.5		
≥ 4000	81.5	81.6	81.6	81.6	81.6	81.6	,	;	;	81.6		81.6	81.6	81.6		61.6
3500	82.1	82.6	82.6	82.6	82.6	82.6	82.6		82.6		82.6		82.6	82.6	82.6	
2 3000	83.4	84.2	84.2	84.2	84.2	84.2		84.2	84.2		84.2		84.2	84.2	84.2	84.2
≥ 2500	84.5	85.4	85.5	85.8	85.8	85.8	85.8		85.8	85.8	85.8	85.8	85.8	85.8	85.8	
≥ 2000	85.7	87.2	87.3	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 1800	86.0	87.5	87.8	88.1	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 1500	86.4	88.1	88.3	88.6	88.7	88.7	66.6	88.8	88.8	84.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 1200	86.8	88.6	88.9	89.3	89.7	89.7	,		89.8	-	87.8	1	89.8		89.8	
	87.4	89.2		89.9	90.3	90.3			91.3				91.6			
≥ 900	88.2			91.3	92.1	92.1				93.2					1	1
		91.4		92.3				94.1						+		
≥ 700			92.1		93.2	93.2		94.5		94.6		- 1	95.2			n n
> 500	88.7		92.2	92.7	93.7	93.7		95.2						95.8	95.8	
± 400	88.7		92.5	93.0				96.2		76.6			97.1		:	
2 300	11	92.2		93.3		94.5		97.1	97.2			98.0			98.0	
200	88.8	,	93.0			94.6		97.2	1						I	[
- 10C	88.8	92.3	93.0	93.5	94.6	94.6	96.1			98.0						
2 0	88.8	92.3	93.0	93.5	94.6	94.6	96.1	97.2	97.4	78.4	99.2	99.2	99.2	99.2	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101 04 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSQUETE

 \mathbf{e}

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725690 NATRONA CO/CASPER MY PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

NOA 0300-0500

CERUNC FEET	VISIBILITY STATUTE MILES															
	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥ ?	≥ 2	≥1		≥!	≥ '.	≥,	2 .	25 16	2 ,	2√
NO CEIUNG	65.7	65.7	65.7	65.7	65.7	65.7									66.0	66.0
20000	72.6	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.9	72.9
≥ 18000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.9	72.9
≥ 1500£	72.6	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.9	72.9
≥ 14000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.7	73.7
≥ 12000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.5	75.5	75.5	75.5	75.5	75.6	75.6
≥ 100000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.4	76.4	76.4	76.4	76.4	76.5	76.5
≥ 900€	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.8	76.8
≥ 8000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.9	77.9	77.9	77.9	77.9	78.0	78.0
2 7000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.8	78.8
≥ 600€	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.4	79.4	79.4	79.4	79.4	79.5	79.5
2 5000	80.0	80.q	80.Q	80.Q	80.Q	8D.Q	80.Q	40.g	80.0	80.3	80.3	80.3	80.3	80.3	88.4	80.4
≥ 4500	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.5	80.5	80.5	80.5	80.5	80.7	80.7
≟ 4000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.5	41.5	81.5	81.5	81.5	81.7	81.7
≥ 3500	81.8	82.0	82.0	82.0	82.0	82.Q	82.0	82.0	82.0	82.3	82.3	82.3	82.3	82.3	82.4	82.4
2 300C	82.4	82.7	82.4	82.4	82.8	82.8	82.8	82.8	82.8	83.0	83.0	83.Q	83.0	83.0	83.2	83.2
≥ 2500	83.3	83.9	84.4	84.4	84.7	84.7	84.7	84.7	84.7	84.9	84.9	84.9	84.9	84.9	85.1	85.1
≥ 2000	83.9	84.9	85.4	85.4	85.7	85.7	85.7	85.7	85.7	85.9	85.9	85.9	85.9	85.9	86.1	86.1
: 180C	84.2	85.4	86.1	86.1	86.3	86.3	86.3	86.3	86.3	86.6	86.6	86.6	86.6	86.6	86.7	86.7
≥ 1500	84.3	85.9	86.8	86.8	87.1	87.1	87.1	87.3	87.3	87.6	87.6	87.6	87.6	87.6	87.7	87.7
≥ 1200	84.4	86.7	87.8	87.8	88.4	88.6	88.7	88.9	86.9	89.2	89.2	89.2	89.Z	89.2	89.3	89.3
> 100C	85.1	87.3	88.6	88.4	89.4	89.7	89.8	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.5	90.5
90H,	85.2	87.6	89.1	89.1	90.2	90.5	96	90.4	90.8	91.1	91.1	91.1	91.1	91.1	91.2	91.2
: 800	85.7	88.4	89.9	90.1	91.2	91.6	92.5	92.8	92.8	93.2	93.2	93.2	93.2	93.2	93.3	93.3
≥ 70€	85.9	88.7	90.2	90.3	91.6	92.0	92.8	93.2	93.2	93.6	93.6	93.6	93.6	93.6	93.7	93.7
≥ 6000	86.3	89.2	90.8	91.1	92.5	92.8	93.7	94.1	94.1	94.5	94.5	94.5	94.5	94.5	94.6	94.6
: 500	86.6	89.9	91.6	92.2	93.6	94.0	95.0	95.4	95.4	95.9	95.9	95.9	95.9	95.9	96.0	96.0
≥ 400	86.8	90.5	92.1	92.7	94.1	94.6	95.9	76.4	96.4	96.9	97.0	97.0	97.0	97.0	97.1	97.1
≥ 300	86.9	90.7	92.3	93.d	94.3	94.8	96.2	96.7	96.7	97.2	97.4	97.4	97.4	97.4	97.5	97.5
2 200	86.9	90.7	92.3	93.1	94.7	95.4	96.7	97.2	97.2	97.7	98.2	98.2	98.2	98.2	98.5	78.5
→ 10t	86.9	70.7	92.3	93.1	94.7	95.4	96.7	97.2	97.2	97.7					98.5	
; § 3.	86.9	90.7	92.3	93.1	94.7	95.4	96.7		1	,					99.0	- 1
<u> </u>																

73-81

796 TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC - 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLÉTE

GLCPAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

2

CEILING VERSUS VISIBILITY

725691 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

0600-0800

NOV

210 ≥6 ≥5 24 21 22 2 4 2 4 2 NO FLIN * : A000 2-1400s ± 120K± 2 10000 ≥ 6000 ≥ 50000 < 4000° ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 1800 1200 ≥ 1200 ≥ 1000 900 800 700 500 87.9 90.8 92.5 93.8 94.5 95.2 96.1 96.9 97.0 97.7 98.5 98.5 98.7 98.9 99.0 99.0 87.9 90.8 92.5 93.8 94.5 95.2 96.1 96.9 97.0 97.7 98.5 98.5 98.7 99.0 99.1 99.2 87.9 90.8 92.5 93.8 94.5 95.2 96.1 96.9 97.0 97.0 97.9 98.9 99.0 99.4 99.6 99.7100.0

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 10-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM AND DESOURTE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

USAF ETAC 2 na 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY 73-81 725697 - NOV PERCENTAGE FREQUENCY OF OCCURRENCE 0900-1100 FROM HOURLY OBSERVATIONS NISHBILLY STATUTE MILES ...≥6 ≥5 34 ≥+ 31 ≥2 2 8.67 2 50 0 2 14-00 2 12500 > 44 2 5000 500 400 2500 2 1566 89.5 89.7 89.9 90.0 90.3 90.3 90.3 90.5 90.5 90.6 90.6 90.6 90.6 90.6 90.6 90.6 15 K 200 1.000 8(x 600 500 300 92.2 93.8 94.7 95.4 96.1 96.3 97.2 98.0 98.1 99.0 99.4 99.4 99.9 99.9 99.9 92.2 93.8 94.7 95.4 96.1 96.3 97.2 98.0 98.1 99.0 99.5 99.5100.0100.0100.0100.0 TOTAL NUMBER OF OBSERVATIONS

GLOPAL CLIMATOLOGY BRANCH JSAFETAC AIF WEATHER SERVICE/MAC

NATRONA CO/CASPER WY

2

CEILING VERSUS VISIBILITY

72569 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS:

NOV 1200-1400

2 4 2 2 4 2 4 2 25 5 2 4 NO CEUN . 20000 4000 2 10000 > 9000 8000 ≥ 6(1)¥ SIAR > 4500. ≥ 400€ 3500 ≥ 2500 2 2000 1200 80C 700 5(Y)

73-81

HISBN THE STATUTE MILES

TOTAL NUMBER OF DESERVATIONS...

USAF ETAC -04 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER HY PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS

- Nor 1500-1700

EILING	VISIBILITY STATUTE WILES															1
*FE1 *	≥ .0	≥ 6	≥ 5	≥ 4	23	≥2.	27	≥1	≥1.	Ş ·	2.	≥ ,	<u> </u>	≥5 6	<u> </u>	≥0
NO PUNI	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
2.0000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.Z
≥ 180k.c	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 1500€	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ '4000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 12000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
2 10000	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2		
> 300€	80.7	80.8	80.8	80.4	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 8000	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1				82.1		82.1	82.1
≥ 7000 ·	82.8	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 5000	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
£ 5000 .	85.9	86.d	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	a6 . 1	86.1	86.1	86.1
≥ 450C	86.5	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7		
2 4000	86.9	87.2	87.5	87.5	87.5	87.5		87.8	87.8	87.8	87.8	87.6	87.8	87.8	87.8	87.8
3500	88.4	88.9	89.1	89.1	89.1	89.1	89.1	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	19.4
2 3006	89.9	90.4	90.7	90.7	90.7	90.8	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2500	90.8	91.4	91.7	91.7	91.7	91.8	91.4	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2006	91.4	92.4	92.8	92.8	92.9	93.1			93.3		93.3			93.3		
800	91.5	92.7	93.2	93.2	93.3	93.4					93.7			93.7		
≟ 150¢	91.6	93.1	93.7	93.9	94.1	94.2		;	1	1	94.6		94.6		94.6	
20x	93.1	94.3	95.1	95.3		95.7	94.0		96.5		96.5		96.5		96.5	
, KK	93.6		95.6	96.0	96.3	96.5		97.5							97.6	
	93.6	94.4	95.6			96.5		97.6			97.7			97.7		
804	93.6	94.8	95.6	96. d	96.3	96.5	,					,		98.2		
100	93.4	94.4	95.7	96.2	96.5	96.6			97.9	78.2		98.4		28.4		
: e0i	93.6	95.1	94.0	96.3	96.7			78.2		1113			98.9		98.9	1
500		95.2	94.1	96.9		97.0			98.4			99.2			99.2	
400		95.2	96.1	96.5	96.8							- 7		99.2		
301	1	95.2	96.1		96.8											
. 304 2 704	93.7				96.8			98.4								
		95.2	96.1	04.5		97.0		98.4								
	-	95.2		96.5	- 1 - 1											
	73.1	73.4	70.1	7003	96.8	71.0	77.5	98.4	75.4	77.6	77.7	TAG • 0	100.0	100.0	T 00 • 0	100.0

73-81

TOTAL NUMBER OF OBSERVATIONS.

USAF ETAC 100 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

NOV

(Et No							V151	Bujuta Sta	TUTE MILE	5						
+65"	≯ 1¢	20	≥ '	2.4	ذ≤	22	≥.	≥:	≥1.	2 :	≥ 4	≥ .	2	≥5 '6	2.	20
NO CEUN	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
± 2000X	67.8	67.8	68.0	68.0	68.Q	68.Q	68.0	68.D	68.0	68.0	68.D	68.0	68.0	68.0	68.D	68.0
≥ 18000	67.8	67.8	68.0	68.0	68.0	68.0	68.0	68.0	68.D	68.D	68.G	68.0	68.0	68.0	68.0	68.0
≥ 150(H)	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 1400X	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
2 12000	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 100000	76.0	76.Q	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	78.4	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5		78.5	78.5	78.5	78.5	78.5	78.5
≥ 8000	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	
≥ 7000	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	82.9	83.2	83.3	83.3	83.3	63.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 4000	86.9	87.3	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	87.7	88.1	88.2	88.2	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
> 3000	88.6	89.1	89.3	89.3	89.6	89.6	89.6			89.6		89.6	89.6	89.6	87.6	89.6
≥ 2500	89.9	90.6	90.8	90.8	91.1	91.1	91.1		1	91.1		[91.1	91.1	91.1	91.1
≥ 2000		92.1	92.5				92.8			92.8		92.8	92.8	92.8	92.8	92.1
. ≥ 1860	91.2	92.2	92.6	92.6	1		93.0		1	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 1500		93.0	93.3	93.5	93.8	93.8	93.8		93.8		93.8	93.8	93.8	93.8	93.8	93.8
120C	93.1	94.3	94.7	94.8	95.4	95.5	95.7		96.2		96.2	96.2	96.2	96.2	96.2	96.2
≥ 1000	93.7	95.1		95.6	96.2	96.4	96.6	97.1	97.1		97.2			97.2	97.2	97.2
2 900	93.7	95.1	95.5	95.6	96.2	96.5	96.7	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	94.0	95.4	95.7	95.9	96.5	96.7			97.6	97.9	98.0	98.0	98.0	98.0	98.0	98.0
> 700	94.0	95.4	95.7	95.9	96.5	96.7	97.1		97.7		98.1	98.1	98.1	98.1		
. ≥ 600	94.1	95.6	96.0	96.1	96.7	97.0			98.0	98.2	78.4	78.4	98.4	98.4	98,4	98.4
≥ 500	94.1	95.6	96.0	96.1	96.7	97.0		98.4	98.4	98.6	98.7	98.7	98.7	98.7	98.7	98.7
.2 400	94.1	95.6	96.0	96.1	96.7	97.0		98.6	98.6	78,7	99.0	99,0	99.0	99.0	99.0	99.0
≥ 306	94.1	95.6	96.0	96.1	96.7	97.1	97.6	78.9	98.9	77.4	99.6	99.6	99.6	77.6	99.6	77.6
≥ 200	94.1	95.6	96.0	96.1	96.9	97.2		99.1	99.1	77.6	99.9	99.9	99.9		99.9	79.9
> 100	94.1	95.6	96.0	96.1	76.9	97.2	97.9	99.1	99.1	77.6	99.9	77.9	99.9	99.9	99.9	77.9
2 0	94.1	95.6	96.0	96.1	76.9	97.2	97.9	99.1	99.1	99.6	77.9	100.0	100.0	00.0	100.0	00.0

USAF ETAC 10174 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOA 2100-2300

E CENTRO							\$1 5 1[BIÇITY ŞTZ	ATUTE MILE	5						
+66.	5,5	≥ 6	≥ 5	2 4	 ≥ ;	≥2.	2.2	≥1	≥1.	≥1	≥ .	≥ '+	≥ .	≥5 '6	٤.,	≥¢
NO (€ILING ≥ 20000	56.5		56.8 67.1	56.8	56.8 67.	56.8 67.1	56.8	56.8		56.8	56.8 67.1		57.0 67.5	,	57.0 67.5	
≥ ±8000 ≥ ±6000	66.9	67.0 67.3	67.1	67.4	67.4	67.4	67.1	67.1	67.1	67.1	67.1	67.4	67.5	67.5	67.5	
≥ 14000 1: 12000	67.4 70.3	70.4	67.6	67.6 70.5	67.6 70.5	67.6 70.5	67.6 70.5	67.6		67.6	67.6	67.9 70.8	68.0 70.9	68.0 70.9	68.0	68.0 70.9
≥ 10000 ≥ 9000	73.5 74.8	75.0	73.7	73.7	73.7	73.7	73.7 75.1	73.7 75.1	73.7 75.1	73.7 75.1	73.7 75.1	74.0 75.3	74.1 75.5	74.1 75.5	74.1	74.1 75.5
≥ 8000 ≥ 7000	76.2	77.7	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.7 78.1	76.9	76.9	76.9	76.9
≥ 6000 ≥ 5000	80.8		79.6 81.0	79.6	79.6 81.0	79.6 81.0	79.6 81.0	79.6 81.0		79.6 81.0	79.6 81.0	79.9	80.0	81.4		80.0
≥ 4500 ≥ 4000 ≥ 3500	82.2 83.1	82.3 83.3	83.4	83.4	82.4	83.4	83.4	83.4	82.4	83.4	82.4	82.7	83.8	83.8	83.8	82.8
≥ 3000	84.7	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.3	85.5	85.5	85.5	85.5
2 2000	86.6	87.9	88.2	88.2	88.2	89.0	88.2	88.2	88.2	88.2	88.2	88.5	88.6	88.6	88.6	88.6
2 1500 2 1200	88.9		90.1	90.1	90.1	90.1	90.4	90.4	90.4	90.4		90.6	90.8		90.8	
2 1000	89.4		92.4	92.4	92.8	92.9	93.8	94.7	93.9	94.9		95.2	94.6	95.3	94.6	94.6 95.3
2 800 2 700	89.6	92.2	93.3	93.3	93.4	93.7	94.6	95.6	95.2	95.8	95.4	96.2	95.8	96.3	96.3	95.8
2 500 2 400	90.0 90.0 90.0	92.3	93.4	93.4 93.4	93.8 93.8	94.2	95.2	96.2	96.2	76.5	96.8	97.1	97.2	97.2	96.7	97.2
2 300	90.1	92.4	93.6	93.6	93.9	94.4	95.4	97.0	97.0	98.Q	98.0	98.5	98.6	98.4	98.6	98.4
≥ 100 ≥ 0	90.1	92.4	93.6	93.7	94.1	94.6	95.6	97.1 97.1	97.1	78.1	98.5	98.7	99.2	99.4	99.5	99.5

73-81

791 TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC 131.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

725697 NATRONA CO/CASPER WY

73-81

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

- ALL

"EIUNG							VISI	BILITY STA	TUTE MILE	ES						
+EE.	≥10	≥6	≥ 5	.º 4	≥ 3	≥2:	≥2	≥i:	≥1.	≥ 1	≥ 4	≥ .	≥ .	≥5 10	≥	≥0
NO FILING	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
3,50000	68.9	68.9	69.Q	69.Q	69.Q	69.0	69.0	69.Q	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1
≥ 18000	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
> 190000	69.1	69.1	69.1	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3
≥ 1400C	70.5	70.5	70.5	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.7	70.7
2 12000	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.4
≥ 10000	76.6	76.7	76.8	76.8	76.8	76.8	76.9	76.9	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0
≥ 9000	77.8	77.8	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 9000	79.5	79.5	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
2 7000	80.4	80.5	80.6	80.6	80.6	80.7	80.7	80.7	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 6000	81.5	81.6	81.7	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
2 5000	82.6	82.7	82.8	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0
≥ 4500	83.5	83.7	83.7	83.8	83.8	83.8	83.8	83.9	83.9	63.9	83.9	83.9	84.0	84.0	84.0	84.0
2 4000	84.2	84.4	84.5	84.5	84.6	84.6	84.7	84.7	84.7	84.8	84.8	84.8	34.8	84.8	84.8	84.8
2 3500 ≥ 3000	85.0	85.3	85.4	85.4	85.5	85.5	85.5	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7
	86.0	86.3	86.5	86.5	86.6	86.6	86.7	86.7	86.7	86.8	86.8	86.8	86.8	36.8	86.8	86.8
2500	86.8	87.3	87.5	87.6	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 2000	87.7	88.6	89.0	89.0	89.2	89.3	89.3	89.4	39.4	89.4	89.4	89.4	89.5	89.5	89.5	17.5
≥ 1800 ≥ 1500	88.Q	89.0	89.4	89.5	89.7	89.7	89.8	89.8	87.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9
 -	88.4	89.6	90.1	90.2	90.5	90.6	90.7	90.8	90.8	90.8	90.8	70.9	90.9	90.9	90.9	90.9
2 1200 2 1000	89.3	90.4	91.3	91.5	91.9	92.1	92.3	92.6	92.6	72.6	9Z.6	92.7	92.7	92.7	92.7	92.7
,	89.8	91.2	91.9	92.2	92.7	92.9	93.4	93.7	93.7	93.9	73.7	74.0	94.0	94.0	94.0	94.0
· ≥ 900 : ≥ 800	89.9	91.5	92.3	92.6	93.Z	93.4	93.9	94.3	94.3	77.6	74.6	74.6	74.7	74.7	94.7	94.7
	90.2	91.8	92.7	93.0	93.6	93.9	94.5	95.1	95.1	75.5	73.6	75.6	75.6	75.5	95.6	95.6
≥ 700 ≥ 600	90.4	92.1	92.9	73.3	93.9	94.2	77.7	75.	75.4	75.0	76.0	76.0	76.0	96.0	96.1	96.1
·	90.5	92.3	73.4	93.6	77.3	77.0	95.3	73.7	73.7	70.3	70.3	70.3	70.0	70.0	96.6	96.6
2 500 2 400	90.6	92.6	73.0	74.0	7	75.0	73.5	70.5	70.3	77.1	77.3	77.3	77.4	97.4	97.4	97.4
	90.7	92.8	73.8	77.3	95.0	73.5	96.2	97.1	41.1	7/08	70.1	78.2	78.3	78.3	98.3	78.3
2 200	90.8	73.0	94.0	77.0	73.3	73.0	70.3	71.1	7/.5	75.3	70./	70.7	75.5	75.5	75.7	98.9
	90.8	93.0	7701	77.5	95.4	73.7	96.7	97.6	77.7	78.5	77.0	77.1	77.3	77.3	99.4	99.4
≥ 100	90.8	93.0		94.6	95.4	73.7	96.7	97.6	77.7	75.5	77.0	77.1	77.3	77.5	99.5	77.6
L = -	90.8	93.0	77.1	77.0	95.4	95.7	70.7	97.6	77.7	75.6	77.2	77.3	77.6	77.6	99.8	[UU.0

6343

USAF ETAC 101 64 0-14-5 (QL A) MEVIOUS EDITIONS OF THIS FORM ARE ORDGETE

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

NATRONA CO/CASPER MY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CETUNG							٧١S	IBILITY STA	ATUTE MILE	5						
FEET ,	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥2:	≥ 2	≥1	≥1.	≥1 ;	≥ .	2.	· .	25 '6	2 . ;	≥0
NO CERING ≥ 20000	63.2	63.5	63.5	63.5	63.5	63.5		63.5 70.7	63.5 70.7	63.5	,	63.5 70.7	63.6 70.8	70.8	63.6 70.8	63.6
≥ '8000 ≥ '8000	70.5	70.7	70.7	70.7	70.7	70.7	70.7 70.7	70.7 70.7	70.7	70.7 70.7	70.7	70.7	70.8	70.8	70.8	70.8 70.8
≥ 14000 ≥ 12000	71.3	71.6 75.1	71.6 75.1	71.6 75.1	71.6	71.6	71.6 75.1	, , , , ,	71.6 75.1	71.6 75.1	71.6 75.1	71.6 75.1	71.7 75.2	71.7 75.2	71.7 75.2	71.7 75.2
≥ 10000 ≥ 9000	76.8 78.4	77.2		77.2		77.2	,		77.2 78.8	77.2 78.8	77.2 78.8	77.2	77.3 78.9	77.3 78.9	77.3 78.9	77.3 78.9
≥ 8000 ≥ 7000	78.4	80.8	79.3 80.8	79.3 80.5	79.3 80.8	79.3	79.3 80.8	79.3 80.8	79.3 80.8	79.3 80.8	79.3	79.3	79.4	79.4	79.4	79.4
≥ 6000 ≥ 5000	81.5 82.0	81.9		81.9	81.9	81.9 82.5	81.9	81.9	81.9		81.9	81.9	82.0	82.6		82.6
≥ 4500 ≥ 4000	83.2 83.6	83.6	83.8	83.8	83.8	84.2	83.8 84.2	83.8 84.2	84.2	1111	84.2	84.2	84.3	84.3	83.9	83.9
≥ 3500 ≥ 3000	85.5	87.7		86.3	86.3	86.3	86.3		87.7		87.7	87.7	87.9	87.9		87.9
≥ 2500 ≥ 2000	87.7	90.2	90.4	90.4	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.7	90.7		90.7
≥ 1800 ≥ 1500	88.7		91.1	90.6	90.9	90.9	91.1 91.6	91.8	91.1	91.8	91.1	71.0	91.9	91.2	91.9	91.2 91.9 93.3
≥ 1200 ≥ 1000	89.6	91.8	92.2	92.4	93.	92.6	93.4	93.1	93.6	93.1	93.8	93.8	93.9	93.9	93.5	93.9
≥ 900 ≥ 800	89.1	91.9	92.5		93.1	94.6	95.0	95.2	95.2		95.7	95.7	95.4	75.8	94.1	95.4
≥ 700 ≥ 600	90.2	92.3		94.2	95.8	96.1	96.7	96.9	96.9	97.2	97.4	97.4	97.5	97.5	97.5	97.5
≥ 500 ≥ 400	90.2	93.1	93.9	94.7	96.4	96.	97.5	97.8	97.8	98.3	98.5	78.5	98.7	98.7	98.7	98.7
≥ 300 ≥ 200	90.4	93. 93.	94.0		96.8	97.	98.2	98.4	98.4	78.9	99.6	99.6	99.9	99.9	99.9	99.9
≥ 100 ≥ 6	90.4	93.			96.8	97.	78.2	98.4	78.4	98.9	77.6	99.6	99.9	99.9		100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 100 64 0-14-5 (OL A) MERIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2

NATRONA CO/CASPER MY

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CERUNG							VISI	BILITY STA	ATUTE MILE	S						
FEE.	₹10	≥ 0	≥ 5	≥ 4	≥ 3	≥2.	2.7	को :	≥: .	≥)	≥ '₃	≥:,	≥ .	≥5 16	2.	≥0
NO FEILING	64.4	64.5	64.5	64.5	64.7	64.7	64.7	64.7	64.7	64.7	64.8	64.8	64.8	64.8	64.8	64.8
± 2 0000	71.2	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.5	71.5	71.5	71.5	71.5	71.5
≥ 18000	71.4	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ '8000	71.4	71.5	71.5	71.5	71.7	71.7	71.7	71.7	71.7	71.7	71.8	71.8	71.8	71.8	71.8	71.8
≥ 14000	71.8	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1
2 12000	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7
≥ '9000	75.3	75.5	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000	75.8	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	76.8	76.9	76.9	76.9	77.1	77.1	77.1	77.1	77.1	77.1	77.2	77.2		77.2	77.2	77.2
≥ 7000 	77.1	77.2	77.2	77.Z	77.3	77.3	77.3	77.3	77.3		77.4	77.4		77.4	77.4	77.4
≥ 6000	78.8	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.3	79.3	1 1 7 2	79.3	79.3	79.3
. ≥ 5000	80.7	81.1	81.1	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.5	81.5		81.5	81.5	
≥ 4500	81.7	82.2	82.2	82.3	82.5	82.5	82.5	82.5	82.5	82.5	62.6	82.6	82.6	82.6	82.6	82.6
≥ 4000	82.3	82.8	82.8	82.9	83.1	83.1	83.1	83.1	83.1	83.1	83.2	83.2		83.2		
≥ 3500 ≥ 3000	84.3	84.9	84.9	85.0	85.2	85.2	85.2	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3
	85.2	86.1	86.5	86.4	86.5	86.5	86.5	66.5	86.5	86.5	86.6	56.6	86.6	80.6	16.6	36.6
≥ 2500 ≥ 2000	86.5	87.6	87.7	87.9	88.1	88.1	88.1	88.1	88.1	88.1	88.2	88.Z	88.Z	88.2	88.2	88.2
<u></u>	87.2	88.7	88.8	89.1	89.4	89.4	89.7	89.7	89.7	89.7	89.8	89.8		89.8	87.8	#7·8
ı ≥ 1800 ≥ 1500	87.6	87.0	87.5	90.1	90.4	90.4	90.7	90.7	90.7	90.7	90.8	90.8		90.8	90.8	
	88.2	90.7	91.0	90.2	90.6	90.6		90.8	90.8	90.8	90.9	90.9	90.9	90.9		90.9
≥ 1200 ≥ 1000	88.3	90.9	91.0	92.0			92.1	92.1 92.9	92.1	72.1	92.3	92.3 93.0	92.3	92.3	92.3	92.3
·	88.6	91.2	91.7	92.3	92.8	92.8	93.1	93.3	92.9	93.3	93.4	93.4	93.4	93.4	93.4	
≥ 900 ≥ 800	88.6	91.2	91.7	92.4	93.3	93.3	,	94.1	94.1	73.3	73.7	94.2	94.2	94.2	94.2	73.4
	88.6	91.4	91.9	92.6	93.9	74.0	94.4	94.4	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 700 ≥ 600	89.0		97.5	93.3	95.D	95.2	95.7	96.2	94.3	94.3	96.4	94.4	94.4	94.4	94.4	96.4
<u></u>	89.0	92.0	92.8	93.5	95.2	95.7	94.4	97.2	97.3	97.3	97.7	97.7	97.7	97.7	97.7	97.7
2 500 2 400	89.0	92.1	93.1	93.9	95.7	96.2	97.1	97.7	9.7	07.0		08.4		98.4	98.4	78.4
≥ 300	89.0	92.1	93.1	93.9	95.7	96.2	97.1	97.7	97.8	97.0	98.0	98.4	98.5	98.4	98.8	78.8
2 200	89.d	92.1	93.3	94.0	96.1	96.6	97.5	98.2	94.3	98.8	99.3	99.3	99.5		99.9	99.0
	89.0	92.1	93.3	94.0	96.1	96.6	97.5	91.2	96.3	94.9	99.4	99.4	99.4	100.0	100.0	100.0
j - 0	89.0	92.1	93.3	94.0	96.1	96.6	97.5	98.2	98.3	98.9	99.4	99.4	99.6	100.0		100.0
										,,,,		,,,,,			4414	

USAF ETAC 101 0-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE ORIGINETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

72569" NATRONA CO/CASPER MY

73-81

- DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0600

CEILING							ViSi	BILITY STA	NTOTE MILE	· S						i
FEET	≥10	≥6	≥ 5	≥ 4	23	≥2:	≥ 2	. ا`≤	≥1 .	21	≥ .	≥ .		≥5 16	· · ·	->
NO TERING	60.2	60.2		60.3	60.3	60.3	60.3	50.3	60.3	60.3	60.3		60.3		60.3	
2 20000	68.2	68.2	68.2	68.3	68.3	68.3	68.9	68.9	68.4	68.4	68.4	68.4	68.4	68.4	68.7	
≥ '8000	68.4	68.4	68.4	68.4	68.6	68.6	68 - 7	68.7	68.7	68.7	68.7	40.0	68.7	68.7		68.9
± 5000	68.6	68.6	68.6	68.7	68.7	68.7	68.8	68.8	68 • 8	68.8	68.5	60.0	68.8	69.9	68.8	70.0
≥ 14000	69.7	69.7	69.7	69.8	69.8	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9			
≥ 12000	71.6	71.6	71.6	71.7	71.7	72.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8		72.0
≥ 10000	75.2	75.2	75.2	75.4	75.5	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6		75.7
≥ 9000	76.7	76.7	76.7	76.8	76.9	76.9	77.2			77.2	77.2					
± 8000	77.5	77.5	77.5	77.7	77.8	77.8	78.Q	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	
2 7000	79 - 1	79.2	79.2	79.5	79.6	79.6	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
≥ 6000	80.2	80.3	80.3	80.6	80.7	80.7	80.9	80.9	80.9	80.9	80.9	1 1 1 1	80.9	80.9	80.9	81.1
2 5000	80.8	80.9	80.9	81.2	81.3	81,3	81.7	81.7	81.7	81.7	81.7			81.7	81.7	
≥ 450C	81.6	81.7	81.8	82.0	82.2	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	
± 4000	82.5	82.6	82.5	83.Q	83.1	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6
> 3500	83.5	83.6	83.7	84.0	84.2	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7
2 3000	84.7	85.0	85.1	85.3	85.6	85.6	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0
> 2500	86.0	86.3	86.7	87.0	87.4	87.4	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.9
≥ 2000	86.9	87.1	87.5	87.9	88.2	88.2	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8
≥ 1800	87.6	88.0	88.3	88.7	89.1	89.1	89.6	89.6	89.6	89.6	89.6	89.6	89.6	87.6	89.6	89.7
≥ 1500	88.0		89.0	89.4	89.8	89.8	90.3	90.5	90.5	90.7	90.8	90.8	90.8	90.8	90.6	90.9
≥ 1200	88.3	19.1	89.6	90.0	90.4	90'-	91.0	91.3	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.6
= 100C	88.7	90.2	90.8	91.3	91.9	92.0	92.7	93.0	93.0	93.1	93.2	93.3	93.3	93.3	93.3	93.4
≥ 900	89.1	90.5	91.	91.7	92.5	92.6	93.3	93.4	93.6	93.8	94.1	94.Z	94.2	94.2	94.2	94.3
≥ 800	89.1	90.5		91.7	92.5	92.8	93.6	93.9	93.9	94.2	94.5	94.7	94.7	94.7	94.7	74.8
> 700	89.2	90.8		92.2	93.0	93.4	94.2	94.5	94.5	94.8	95.1	95.3	95.3	95.3	95.3	95.4
≥ 700 ≥ 600	89.3	91.0	1 1772	92.6	93.6	94.1	95.0	95.5	95.5	95.8	96.1	96.2	96.2	96.2	76.2	96.4
	19.6		92.	93.7	94.7	95.3	94.5	97.1	97.1	97.3	97.7	97.9	97.9	97.9	97.9	78.1
≥ 500 ≥ 400	89.6	91.7	92.	93.7	94.7	95.1	96.5	97.1	97.1	97.4	97.9	98.2	78.4	78.4	78.4	98.5
	19.	92.0	93.1	01.	94.9	68.	96.7	67.	97.	97.8	98.2	78.4	98.7	98.7	98.7	78.8
≥ 300			1 11 1	97.0	96.1	95.0	47.0	07.4	97.4	90.5	98.9	99.2	99.5	99.5	99.5	99.6
	89.7	92.0		93.9	7304	73.6	67.1	67.4	97.2	60.8	94.9	99.2		99.5	99.5	99.4
≥ 100 > 0	89.7	92.0] :::::	1 1111	75.1		07.0	97.6	97.6		94.4		00.4		1	100.0
2 0	89.7	72.1	73.1	93.9	95.1	73.6	77.0	7/40	7/00	7003	7007	,,,,,	_,,,,,			

USAF ETAC 101 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLGBAL CLIMATOLOGY BRANCH GRAFETAC AIR MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY

73-81

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

· Fil NG							v1S1	BILITY STA	TUTE MILE	S						
fEE" "	≥10	≥6	≥ ⁴	≥ 4	≥3	≥2:	≥ 2	≥; .	≥1.	≥1	≥ 4	≥ .	ż .	≥ 5 16	2 4	≥0
N - 'EIRN'	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.7	55.7	55.7	7 7 2	55.7
≥ 20000	67.8	68.2	68.3	68.5	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	
≥ 18000	68.1	68.5	68.6	68.7	68.8	68.8	68.6	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ '6000	68.2	68.6	68.7	68.8	68.9	68.9	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 14000	69.3	69.7	69.8	69.9	70.0	70.0	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
± 15000	72.Q	72.4	72.5	72.6	72.7	72.7	72.7	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	78.1	78.5	78.6	78.7	78.9	78.9	78.9	79.0	79.0	79.D	79.0	79.0	79.0	79.0	79.0	79.0
≥ 9000	79.3	79.8	80.Q	80.1	80.2	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 8000	80.6	81.1	81.2	81.3	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 7000	81.4	81.9	82.0	82.2	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
> 6000	82.6	83.1	83.3	83.4	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 5000	83.4	83.9	84.0	84.1	84.2	84.2	84.2	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	83.7	84.4	84.5	84.6	84.8	84.8	84.8	85.D	85.0	85.0	85.0	85.0	85.D	85.0	85.0	85.0
≥ 4000	84.6	85.2	85.5	85.4	85.8	85.6	86.1	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 3500	85.0	85.6	45.8	85.9	86.2	86.2	86.4	86.7	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8
≥ 3000	85.8	86.4	86.7	86.8	87.G	87.0	87.3	87.5	87.5	87.5	47.7	87.7	87.7	87.7	87.7	87.7
> 2500	86.7	87.3	87.5	87.7	88.0	88.0	22.4	88.8	88.8	88.9	89.1	89.1	89.1	89.1	89.1	89.1
≥ 2000	87.4	88.3	88.6	88.8	49.2	89.2	19.6	90.1	90.1	90.5	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	87.9	88.8	89.2	20.4	40.0	10.9	90.2	90.7	90.7	91.1	91.3	91.3	91.3	91.3	91.3	
≥ 1500	88.1	80.1	89.7	90.0	90.5	90.5	90.8	91.3	91.3	91.7	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1200	88.4	89.5	90 . 1	90.5	01.1	91.1	91.7	92.4	92.4	93.0	93.3	93.3		93.3	93.3	
≥ 1000	88.9	90.3	91.2	91.8	92.5	92.5	93.3	94.0	94.0	00.6	94.9	94.9	94.9	94.9	94.9	94.9
900	89.4	91.0	91.8	92.4	93.3	93.3	94.1	95.1	95.1	98.7	96.0	96.0	96.2	96.2	96.2	
≥ 900 ≥ 800	89.6		92.4	93.0	93.9	94.1	95.0		96.3	97.1	97.3	97.3		97.4	97.6	
	89.9	71.7	92.7	93.3	94.7	7704	95.4	96.7	24.7	97.4	97.7	97.7	97.0	97.9	97.9	
≥ 700 ≥ 600	1	71.		73.3	77.5				1							
	90.0	71.9	72.7	73.0	77.0	7707	95.7	97.1	27.1	77.7	7006	79.6	77.7	7997	98.4	78.9
400	90.d	9Z-1	93.Z	73.7	77.7	95.1	96.0	97.6	27.6	70.7	70.5	70.0	97.0	99.0	97.0	
	90.0	92.1	73.2	77.0	75.0	95.2	70.1	97.7	97.7	78.3	75.7	77.1	77.9	77.5	99.5	
≥ 300 > 200	90.0	92.1	93.Z	74.0	75.0	75.Z	76.1	97.8	77.8	78.7	99.0	77.3	77.5	77.0	77.6	99.6
2 200	90.0	92.1	93.2	94.0	95.0	95.Z	76.1	97.8	77.0	78.7	77.0	77.3	77.5	99.6	99.6	77.6
100 ج	90.0	1	73.2	94.0	95.D		76.1	97.8	97.5	78.7	77.0	99.3	99.5	77.5	99.6	77.6
≥ 0	90.0	92.1	93.2	94.0	95.Q	95.2	96.1	97.8	97.8	98.7	99.0	77.3	77.5	77.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS...

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER MY 73-81 725690 PERCENTAGE FREQUENCY OF OCCURRENCE

DEC 1200-1400

USIBILITY STATUTE MILES . ? ≥ ≥10 ≥6 ≥6 24 ₹3 24 2,20000 2 1800° 2 160°€ ≥ 10000 ≥ 9000 ± 8000 ≥ 7000 ≥ 6000 ≥ 5000 ÷ 4500 ≥ 4000 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 ≥ 1800 2 1500 ٦, 1200 ≥ 1000 900 800 ≥ 700 ≥ 600 500 ± 300 ≥ 200 00

FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 101.64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLOBAL CLIMATOLOGY BRANCH LSAFETAC ATP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC 1500-1700

EUNO							V151	BILITY STA	CUTE MILE	5						ì
FEE.	≥10	≥0	2.5	≥ 4	≥3 ,	≥2	≥ 2	≥ .	21.	ž · 1	٤.	≥ ,	2	25 16	·	≥0
NO CERTINA 2 20000	54.7 65.9	54.7	54.7	54.7		1	54.7		54.7	54.7		54.7 66.0			54.7	
≥ 8005 ≥ 15000	66.4	66.5	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
2 1400c 2 12000	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 900¢ ≥ 900¢	78.7	78.9 81.2	78.9 81.2	78.9	79.1 81.3	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1		79.1
≥ 8000 ≥ 7000	82.9 84.1	82.8	82.8	82.8	82.9	82.9	82.9	82.9	82.9	82.9		82.9	82.9		82.9	
≥ 6000 ≥ 5000	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2		85.2 86.7		85.2 86.7		85.2
≥ 4500 ≥ 4000	86.8	87.1	87.1	87.1	87.2	87.2	87.2	87.2					87.2	87.2 87.9	87.2	
≥ 3500 ≥ 3000	89.2	89.4 90.3	89.4 90.3	89.4 90.3	89.5	89.5 90.4	89.5		89.5	89.5	89.5	89.5 90.4	89.5			
≥ 2500 ≥ 2000	90.6 91.6	91.1 92.2	91.1 92.4	91.1 92.4	91.4 92.7	91.4 92.7	91.4	91.4	91.4 92.7	91.4 92.7	91.4	91.4		91.4	91.4	91.4
≥ 1800 ≥ 1500	91.9 92.2	92.6	92.7 93.3	92.7 93.3	93.1 93.7	93.1 93.7	93.1 93.8	1	93.2 94.0		93.2 94.0	93.2		(93.2 94.0	/
≥ 1200 ≥ 1000	92.9 93.3	93.7	94.0 95.0	94.1 95.1	94.5	94.6	94.7	95.0 96.6	95.0 96.6	;	95.2 96.9	95.2 96.9	95.3 97.0	95.3 97.0	95.3 97.0	95.3 97.0
: 900 ≥ 800	93.1 93.5	94.7	95.0 95.2	95.3	95.8 96.1	95.9 96.2	96.1 96.6	96.6 97.2	96.6		97.0	97.0	97.3 97.9	97.3	98.0	
2 700 ≥ 600	93.5	95.0	95.3 95.3	95.4	96.2	96.3	96.8	97.4	97.4	97.9	97.9	97.9 98.2	98.2 98.4	98.2	98.3 98.6	98.3
≥ 500 ≥ 400			95.3		96.2 96.2	96.3			97.4	98.2	98.4	98.4	98.6	98.6	98.9	99.3
2 300 2 700	93.5		95.3		96.2	96.3	96.8	97.4		98.3		98.8	99.3	99.3	99.5	99.5
5 00			95.3 95.3		96.2		1		97.4	98.4	1	98.9	99.5		99.8	1

73-81

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC 10.04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

NATRONA CO/CASPER WY 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS)

DEC 1800-2000

(Eurher)							.151	Bruth STA	TUTE MILE	\$						i
FEE	≥10	≥6	≥ 5	≥ 4	≥ 3	≳2.	₹2 :	≥`.	≥1,	≥ '	2	≥ -	≥ ,	≥ 5 16 .	2.	≩ડ
NO SERNISS	56.1 68.4	56.2 68.5	56.2 68.5	56.3		56.3 68.6		56.3		56.3					56.3	
≥ 18 747	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6			68.6
2 8/90	68.4	68.5	68.5	68.6	68.6	68.6				68.6					68.6	
≥ 14000 ± 12000	69.3	69.1	69.1	69.Z	69.2 72.0	72.0				69.2 72.0			69 • 2 72 • Ø		69.2 72.0	
- 00000	75.9	76.0	76.0	76.1	76.1	76.1				76.1				76.1		
≥ 900€	77.9	78.0	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
± 8000	L L	80.0	80.0	80.1	80.1	80.1	80.1		;		;	80.1	80.1	80.1	80.1	80.1
2000	81.7	81.8	81.8	81.9		81.9		81.9		81.9		81.9		81.9	81.9	
≥ 6000 ≥ 5000	82.5	82.8	82.8	82.9	82.9	82.9		82.9	82.9	82.9		82.9	82.9	82.9	82.9	
- 450C	83.5	83.9	83.9	84.0	84.0					84.0					84.0	
4000	85.d	85.4	85.5	85.6		85.6							85.6	85.6		85.6
3500	85.9	86.2	86.3	86.5	86.5	86.5						86.5	86.5	86.5	86.5	
2 3006	87.7	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
2 2500	88.1	88.4	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
2 2000	89.8	90.5	90.9	91.0	91.3	91.3	91.3	91.3				91.3			91.3	
. ≥ 1800 ≥ 1500	90.4	91.3	91.6	91.8			92.0			92.0					92.0	
	91.1	92.0	92.5							93.4			+			
≥ 1200	1	7	93.5			93.6			1	94.1					94.1	
2 900	91.6	92.7	93.7	94.1	94.5	94.5	94.8	95.4		95.8			95.8	95.8	95.8	
≥ 800		92.7	93.7	94.1	94.5	94.5	1	95.4	,	95.8					96.2	
2 700	92.0	93.1	94.2	94.6	95.1	95.1	95.4		96.3		97.0		97.2			
≥ 600	92.0	93.1	94.2	94.6	95.2	95.2	95.6	96.6	96.6	97.0	97.4	97.4	97.7	97.7	97.7	97.7
2 500	1	93.2	94.3	94.7	95.3	95.3	95.8				98.2		98.5			98.5
2 400	92.0	93.2	94.3	94.7	95.3	95.3	95.8			97.4					98.5	98.5
≥ 300		93.2	94.3	94.7	95.3	95.3	95.8	96.8	96.8	97.4	98.3		98.8	99.0	99.1	99.1
≥ 20C	92.0	93.2	94.3	94.7	95.4	95.4	95.9	96.9						99.1	99.4	
≥ 100	1	93.2	94.3			,	95.9	96.9	1	97.5						
<u> </u>	72.4	7304	77.3	770	73.7	7304	7307	70.7	7.0 6 7	7103	79.9	7507	77.U	77.9	77.0	1 U U • U

813 TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 100.64 0+14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

NATPONA CO/CASPER WY

2

CEILING VERSUS VISIBILITY

725691 73-81 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

DEC 2100-2300

CISIBILITY STAT TE MILES 28 26 25 24 20 27 27 27 27 27 2 20 2 20 20 68.2 68.6 68.6 68.8 69.0 69.0 69.0 69.0 69.1 69.1 69.1 69.1 69.1 69.2 69.2 68.2 68.6 68.6 68.8 69.0 69.0 69.0 69.0 69.0 69.1 69.1 69.1 69.1 69.1 69.2 69.2 2 60FC 2 50F0 82.4 83.4 83.4 83.7 83.9 83.9 84.0 84.0 84.0 84.1 84.1 84.1 84.1 84.1 84.2 84.2

TOTAL NUMBER OF OBSERVATIONS_

USAF ETAC 10-14-5 (OL A) MEVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH USAFETAC ATR MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

72569" NATRONA CO/CASPER MY <u>DEC</u> PERCENTAGE FREQUENCY OF OCCURRENCE FROM HOURLY OBSERVATIONS . NR. THI STAT TE MICES 26 25 24 23 27 24 27 31 400.4 3500 90.4 92.4 93.7 94.4 95.4 95.7 96.4 97.1 97.6 98.0 98.1 98.3 98.3 98.3 98.4 90.4 92.9 93.4 94.5 95.6 95.8 96.6 97.3 97.9 98.3 98.4 98.7 98.7 98.8 98.8 98.8 90.4 92.9 93.4 94.6 95.7 95.9 96.7 97.4 97.4 97.4 98.0 98.5 98.6 98.9 99.0 99.1 99.1 90.9 93.0 94.0 94.7 95.8 96.1 96.0 97.6 97.7 98.3 98.9 99.0 99.4 99.5 99.6 99.7 90.9 93.0 94.0 94.7 95.8 96.1 96.0 97.6 97.7 98.4 98.7 99.0 99.4 99.5 99.7 99.6 90.9 93.0 94.0 94.7 95.8 96.1 96.9 97.6 97.7 98.4 98.9 99.0 99.4 99.6 99.7100.0 TOTAL NUMBER OF OBSERVATIONS

73-81

USAF ETAC 1, 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

2

. .

CLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

2

CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

21. 2 2. 2. 2. 2. 25.6 2. 2. 4.4 79.4 79.2 79.2 79.3 79.3 79.3 79.3 79.3 79.3 79.4 79.4 79.4 79.4 79.4 79.4 79.4 62.0 82.2 82.3 82.3 82.4 82.4 82.4 82.4 82.4 82.5 82.5 82.5 82.5 82.5 82.5 82.5 5000 4500 2 3500 ≥ 3000 25.00 2000 900 **3**00 ž BOX 701 · 92.9 94.9 95.8 96.4 97.1 97.3 97.8 98.4 98.4 99.0 99.4 99.4 99.6 99.6 99.7 99.8 92.9 94.9 95.8 96.4 97.1 97.3 97.8 98.4 98.5 99.0 99.4 99.7 99.7 99.8 99.9 92.9 94.9 95.8 96.4 97.1 97.3 97.8 98.4 98.5 99.0 99.4 99.5 99.7 99.8 99.8100.0

VISIBALLY STATUTE W. FS

USAF ETAC 0-14-5 (OL A) MENOUS EDITIONS OF THIS FORM ARE OBSOLETE

PART D `

SKY COVER

Stations that report both synoptic and airways observations have had their sky cover reports converted into airways. The synoptic hours have significantly lower observation counts than the airways, hence, a small percentage of observations were reported in the 1/10, 4/10, 5/10, 6/10, and 8/10 categories. In order to use this data more beneficially we have combined:

1/10, 4/10, and 5/10 into the 3/10 (scattered) category 6/10 and 8/10 into the 9/10 (broken) category 0/10 is the clear category 10/10 is the overcast category

GLOBAL CLIMATOLOGY BRANCH USAFETAC Alt HEATHER SERVICE/MAC

SKY COVER

725691

NATRONA CO/CASPER WY

73-81

JAN

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	FREQUENC	Y OF TENT	HS OF TOTA	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MUNIH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085
JAN	0-02	28.1			20.5						14.3	37.1	5.6	823
	03-05	28.1			20.0						14.4	37.5	5.6	826
	n6-08	18.8			18.9						21.2	41.2	6.6	816
	79-11	17.5			15.6						20.9	46.0	6.9	816
	12-14	14.4			19.4						22.4	43.8	7.0	811
	15-17	13.8			19.3						24.4	42.4	7.0	827
	18-20	21.1			19.9				1		16.9	42.0	6.3	826
	21-23	24.1			22.1						15.7	38.0	5.9	820
									 		<u> </u>			
									 					
				 				 	}					
01	TALS	20.7		 	19.5						18.8	41.0	6.4	656

USAFETAC

GLCBAL CLIMATOLOGY BRANCH CCAFETAC AIR REATHER SERVICE/MAC

SKY COVER

725690

NATRONA CO/CASPER MY

73-81

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	İ			PERCENTAGI	FREQUENC	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN	TOTAL
MUNIA	(L S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO OF OBS
EB.	00-02	26.6			23.0			<u> </u>			15.4	35.0	5 . 6	74
	3-05	27.5			21.5						15.3	35.6	5.6	75
	°6-08	17.6			21.9						18.9	41.6	6.5	75
	09-11	17.0			16.5						24.3	42.2	6.9	74
	12-14	14.7			19.7						23.6	42.0	6.9	75
	15-17	15.9			17.5						22.7	44.0	7.0	75
	18-2.3	21.0			15.0						21.6	42.3	6.6	75
	21-23	23.3			19.8						21.3	35.5	6.1	74
									<u> </u>		 -		-	
	<u> </u>													
TO	TALS	20.5			19.4						20.4	39.8	6.4	599

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

· .

GLCBAL CLIMATOLOGY BRANCH USAFETAC AID REATHER SERVICE/MAC

SKY COVER

72569

I

NATRONA CO/CASPER WY

73-81

MAR

STATION

STATION NAME

HONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10	TALS	19.2			18.3						19.7	42.9	6.6	657
									ļ		ļ			
	21-23	25.4			21.1			<u> </u>			16.2	37.4	5.8	8
	18-20	15.5			19.5						21.6	43.4	6.9	8
	15-17	19.7			15.9						27.3	46.1	7.5	8
	12-14	11.2			20.0						23.4	45.5	7.3	8
	79-11	16.3			17.5						20.8	45.5	6.9	8
	D6-08	18.5			18.4						18.6	44.5	6.7	8
	03-05	27.1			16.3						15.0	41.6	6.0	8
MAR	00-02	28.6	-		18.0						14.5	38.9	5.7	8
MONTH	(L.S.T.)	0	ı	2	3	4	5	6	7	8	9	10	TENTHS OF	NO C
	HOURS	T			PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTA	L SKY COVER				MEAN	TOTAL

USAFETAC FORM JUL 64 9-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE.

GLEFAL CLIMATOLOGY BRANCH USAFETAC A1- LEATHER SERVICE/MAC

SKY COVER

725690

NATRONA CO/CASPER WY

73-81

APR

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	}			PERCENTAG	FREQUEN	CY OF TENT	HS OF TOTAL	SKY COVER	·			MEAN TENTHS OF	TOTAL NO OF
MUNIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085
APR	0-02	27.1			16.4						18.6	37.8	6.0	769
	:3-05	23.5			22.0						15.8	38.6	5.9	79
	6-08	19.7			17.4						16.4	46.5	6.6	792
	79-11	15.3			22.1			<u> </u>		ļ	21.7	40.8	6.7	796
	12-14	10.0			17.8						26.9	45.4	7.5	79:
	15-17	6.8			20.9						25.3	47.0	7.6	79
	18-20	11.0			21.1					<u> </u>	20.3	47.6	7.2	793
	21-23	22.8			20.9					ļ	16.3	39.9	6.1	76
	}	-			-						-			
					1			 			 			
10	TALS	17.0			19.8						20.2	43.0	6.7	633

FORM 0-9-5 (OL A) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

SKY COVER

72569

NATRONA CO/CASPER WY

73-81

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATION"

MONTH	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
444	0-02	27.8			27.2	_					16.4	35.6	5.6	825
	3-05	21.3			25.1						19.1	34.5	5.9	821
	6-08	17.3			21.3						21.2	40.3	6.6	822
	79-11	12.3			21.1						24.4	42.3	7.1	821
	12-14	5.3			20.0						31.7	42.9	7.8	813
	15-17	6.1			18.9						28.6	46.5	7.8	826
	18-20	9.8			18.8				}		24.1	47.3	7.5	826
	21-23	21.2			24.3						18.5	36.0	6.0	820
	 									 	-			
	-							-		 		 		
	1													
τo	TALS	15.1			21.2					1	23.0	40.7	6.8	6574

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIT REATHER SERVICE/MAC

SKY COVER

72569

NATRONA CO/CASPER WY

73-81

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTA	L SKY COVER	!			MEAN	TOTAL
	{L.\$.T.}	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO OF OBS
JUN	0-02	40.7			25.8						12.7	20.8	4.0	794
·	03-05	35.3			28.6						18.2	17.9	4.3	797
	06-08	31.9	i		29.5						19.5	19.1	4.6	794
	79-11	28.7	i	ļ	28.6						23.3	19.4	4.9	799
.	12-14	14.6			32.6						29.1	23.7	6.0	794
	15-17	11.2			27.6	<u>.</u> .					34.9	26.3	6.6	78
	18-20	16.4			29.2						29.2	25.3	6.0	792
	21-23	29.4		ļ ——	31.7						18.9	20.0	4.6	79
								-						
					-						-			
10	TALS	26.0			29.2			<u> </u>			23.2	21.6	5.1	6347

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIL REATHER SERVICE/MAC

SKY COVER

725691

NATRONA CO/CASPER WY

73-81

JUL

STATION

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTA	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085
JUL	D0-02	43.0			24.3						18.8	14.0	3.8	81
	73-05	36.2			32.4						17.6	13.8	3.9	82
	06-08	33.5			30.6						19.5	16.4	4.3	81
	79-11	36.2			31.2						19.4	13.3	4.0	82
	12-14	17.0			39.1						31.5	12.4	5.2	81
	15-17	11.9			33.7						39.1	18.3	6.3	81
	18-20	16.5			29.6						27.8	26.1	6.0	81
	21-23	28.8			30.4						21.8	19.0	4.8	82
											<u> </u>			
TO	TALS	27.9			31.0						24.4	16.7	4.8	654

USAFETAC FORM JUL 44 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIN WEATHER SERVICE/MAC

SKY COVER

725690 STATION

NATRONA CO/CASPER MY

STATION NAME

73-81

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10	TALS	30.7			28.6						22.4	18.4	4.7	655
	21-23	34.5			28.8						19.4	17.3	4.3	8
	18-20	22.0		<u> </u>	27.6						27.9	22.6	5.6	8
	15-17	13.5			32.5					l	32.7	21.3	6.1	8
	12-14	19.3			35.8						27.6	17.3	5.3	8
	09-11	34.7			29.0	·		<u></u>			18.6	17.7	4.3	8
	6-08	33.0			25.3						21.5	20.1	4.7	8
	3-05	41.7		ļ	28.2		<u></u>		ļ	ļ	15.3	14.8	3.7	8
uG	00-02	46.5			21.8						16.0	15.8	3.7	8
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085
MONTH	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTA	L SKY COVER				MEAN TENTHS OF	TOTAL NO O

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DISOLETE. USAFETAC

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/HAC

SKY COVER

72569

NATRONA CO/CASPER MY

73-81

SEP

MOITATE

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	l			PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTA	L SKY COVER	!			MEAN TENTHS OF	TOTAL NO OF
MONIA	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SXY COVER	OFS
3 E P	0-02	55.9			18.3						9.9	15.8	3.0	790
	03-05	50.6			22.9						12.9	13.6	3.2	79
	06-08	37.8			24.6						15.8	21.9	4.3	78
	79-11	36.8			22.6						20.3	20.3	4.5	79
	12-14	28.9			26.5						23.7	20.9	5.0	789
	15-17	26.6			26.1						26.5	20.6	5.2	79
	18-20	33.2			28.9						20.2	17.7	4.5	78
	21-23	45.7			25.3						14.7	14.2	3.5	791
					-				}	<u> </u>	ļ			
	<u> </u>			├	+			 	 	-	 	}		
				 	-			 	 		 			
10	TALS	39.4		 	24.4					 	18.0	18.2	4.2	633

FORM 8-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

GLOBAL CLIMATOLOGY BRANCH USAFLYAC AIS REATHER SERVICE/MAC

SKY COVER

725690

NATRONA CO/CASPER MY

STATION NAME

73-81

OCT

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIA	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	085
OCT	00-02	47.4			14.1		 				11.2	27.3	4.2	822
	3-05	44.6			19.2			,			12.1	24.0	4.1	816
	n6-08	28.2			22.4						18.5	30.9	5.4	812
	79-11	25.7			20.3						22.1	31.9	5.8	816
	12-14	26.0			21.8						20.3	31.8	5.7	801
	15-17	24.9			19.7						23.6	31.8	5.9	827
	18-25	30.6			20.1						20.4	28.9	5.3	820
	21-23	40.8			16.9					ļ	13.1	29.2	4.6	811
				ļ	}		 	 			1			
				 				 						
					1						1		}	
10	TALS	33.5			19.3						17.7	29.5	5.1	653

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

GLCBAL CLIMATOLOGY BRANCH USAFETAC ALC WEATHER SERVICE/MAC

SKY COVER

72569

NATRONA CO/CASPER MY

73-81

NOV

STATION

STATION NAME

....

....

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUEN	CY OF TENT	HS OF TOTA	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
NOV	0-02	36.4			19.7						11.3	32.6	4.9	795
	03-05	37.5			18.0						13.1	31.4	4.9	79
<u></u>	06-08	24.7			20.4						16.8	38.1	5.9	790
	79-11	18.4			21.6						19.8	40.2	6.4	792
	12-14	17.3			19.4						24.6	38.7	6.7	790
	15-17	16.0			21.7	-					26.3	36.0	6.6	792
	16-20	24.2			19.7						19.4	36.6	6.0	79
	21-23	28.4			16.1						18.4	37.2	5.9	791
		-		<u> </u>				 						
10	TALS	25.4			19.6						18.7	36.4	5.9	634

USAFETAC FORM ULL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

1

,

2

GLEBAL CLIMATOLOGY BRANCH USAFETAC AI REATHER SERVICE/MAC

SKY COVER

7.569

NATRONA CO/CASPER WY

STAT ON NAME

73-81

PER-OD

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	S OF TOTAL	L SKY COVER			_	VEAN	101AL
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SA - LER	NO OF
D F C	0-02	31.2			21.1						13.9	33.9	5.3	81
·	3-05	29.3			21.4						16.1	33.2	5.4	81
	.6-08	19.1			21.7						22.0	37.3	6.4	82
	9-11	15.9			17.5						22.5	44.7	1.0	81
	12-14	14.9			21.2						24.3	39.7	6.8	82
·m	15-17	14.8		ļ 	20.2	!					25.5	39.6	6.9	81
	16-27	24.5			19.1						18.4	38.0	6.0	81
	71-23	28.3			21.7						16.1	33.9	5.5	81
											 		-	
						i					1.			
10	TALS	22.3			23.4						19.9	37.5	6.2	654

* # 0 9 5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATF ** **EATHER SERVICE/MAC

SKY COVER

70569

NATRONA CO/CASPER MY

73-81

ALL

STATION

STATION NAME

PER-OD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTA	L SKY COVER				MEAN	TOTAL
MOITI	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO OF OBS
J 4 "	ALL	20.7			19.5						18.8	41.0	6.4	6569
F E e		23.5			19.4						20.4	39.8	6.4	5993
24°		19.2			18.3						19.7	42.9	6.6	6574
Ą P Ψ		17.0			19.8						20.2	43.C	6.7	6333
~ 8 Y		15.1			21.2						23.0	40.7	6.8	6574
JUN		26.0			29.2						23.2	21.6	5.1	6347
J∪L		27.9			31.0						24.4	16.7	4.8	6542
AUC		30.7			28.6						22.4	18.4	4.7	6559
15P		39.4			24.4						18.0	18.2	4.2	6332
act		33.5			19.3						17.7	29.5	5.1	6533
N≏V		25.4			19.6						18.7	36.4	5.9	6347
DCC		22.3			20.4						19.9	37.5	6.2	6542
101	ALS	24.8			22.6						20.5	32.1	5.7	77245

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

(PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

MOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTES) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

* Walner for means and standard deviations do not include measurements for incomplete mouths.

Continued on Reverse

E - 1

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

 This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2) , sums of values (ΣX) , means (X), and standard deviations (σX) . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dev-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumilative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumilative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
 - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
 - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

SECRAL CLIMATOLOGY BRANCH

1 AFETAC

ATT REATHER SERVICE/MAC

7.569 NAIRGNA CO/CASPER MY.

STATION NAME

50-81 CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM DAILY OBSERVATIONS)

MAXIMUM

	TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG	SEP.	OCT.	NOV	DEC	ANNUAL
	140 .						2.	7.						
	. °⊊.						1.7	9.3	. 3.5.	2.				. 1.2
	٠. ا					1	11.4	39.7.	27.5	4.5		··· - · · ·		. 7.1
	7.5					2.9	31.6	72.1.	62.2	19.6				15.9
	9				7	10.9	48.3	87.2	81.0	40.6	3.2			23.0
	75				4.5	24.5	66.8	94.4	90.6	58.6	14.1			29.6
	7			1.0	13.3	41.5	81.7	98.0	95.4	70.0	30.1	3		36.
	65	•	. 1	4.3	26.5	57.6	89.4	98.8	97.9	79.8	45.3	3.2		42.
	į.	. 1	1.7	10.0	40.2	72.1	95.1	99.6	99.3	86.8	59.5	11.0	. 3	48.4
	= 5	1 2	5.5	20.6	54.0	84.4	98.5	99.8	99.8	92.5	71.5	23.0	2.6	54.9
	· ·	5.5	14.7	33.2				100.0				37.1	11.5	
	4 °,	18.2	28.5	49.8			99.5			98.0		51.7	24.4	69.
	43	34.1		64.7			99.8			99.4		66.7	40.5	78.0
	76	51.2		77.4			100.0			99.8		77.2	57.7	84.9
	- 	66.9	77.1	86.8	98.6							86-6	74.8	90.5
	20.	77.1	87.1	93.2		100.0	·			100.0	99.3	93.5	85.5	94
-		85.1	93.2	96.4									92.2	97.1
	15	89.7			100.0								95.5	98.
	10	93.9									100.0	99.7		99.0
	. 1 9	96.3		99.7										99.
	2 .4	98.6		100.0						,		99.9	99.2	994
	<u></u>		100.0									100 0	7796	99.
												100.0		100
	-10	99.8								-	·	+	100.0	100.0
	- 15	99.9									·	·	ļ	100.
	T	1.10.0	+									+		1000
	•		· · · -									·	-	
												+	·	
		•	· · · — · ·				·					+		
												 		
												 	·	
				·										
			· · ·											
												ļ		
			·									 		
±-,=-	MEAN	73 (66	48 0	78.1	86.9	84.8	74.2	61.1	44.7	35.9	58.
	S.D.	32.9	11.595	12-681	55.1	65.8		6.920				7796	11.520	21.929
	OTAL OBS	961	876	992	960	992		992	992			960	992	11629

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DAILY TEMPERATURES

MELBAL CLIMATOLOGY BRANCH

SATETAC

AT ~EATHER SERVICE/MAC

/ SEB 9 NATRONA CO/CASPER MY. 50-81 STATION STATION

	,			APR	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ANN
TEMP ("F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.			SEP.			DEC	ANN
7		•	·-·- · · · ·				3.3	2.9					***
5	+ - · · · · ·		····	·+	-	7 4		13.2					
<u> </u>	•			· ·- +	- · ·	- 201	19.2		<u></u>				
•	+	+				-11-2	51.7.	39.0	6.4.			· · · · · · · · · · · · · · · · · · ·	
- 2= -				2	<u>3e1</u>	38.0	83.5	71.0	19.2				.1
	¥			2.0	19.9	70.9	96.2	91.6	94.0	<u>5 </u>			2
<u>"</u>	<u>، • أ</u>		1.0	8,5	4/.8	91.2	99.2	98.6	66.5		2.2.	. <u></u>	. 3
. <u>35</u> ,	Z • 5	3 • 5	6.7	24.0	/1.e.Z.	98,1	99.8	99.7	69.1;	<u> </u>	12.9	<u> </u>	
. 3	. <u>5 • 1</u>	5.8	11.1	39.8.	81.2	99.0	99.9	100.0	90.0	59.5		<u>8.1</u> .	5.
	10.5	11.8	21.7	52.9	93.9		100.0		95.5	70 · C	28.6	14.2	5
2 3	23.1	24.9	40.5	76.1		100.0			98.7	87.5	<u> </u>	_21.1.	6
3 .	36.6	45.1	58.3	92.1	99.5			أداحا الما	99.7	95.5	63.7	41.5	7
1.3	50.7	61.9	74.4	97.5	100.0				100.0		78.2.	58.8	
10	<u> 62.6</u>	74.2	84.6	96.5						99.2	85.0,	72.5	8
<u>.</u>	72.5	83.8	89.5	99.4						99.5	91.2	82.2	9
	83.1	90.3	94.4	99.6						99.8	95.1	88.4	9
5	86.1	94.3		100.0					<u> </u>	100.0	97.7	93.1	9
-10	89.9	96.7	98.9	+							99,4	96.0	9
-15	93.3	99.2									100.0	97.9	9
- ?`	96.5	99.9	99.9						L			99.0	9
-25	98.8	100.0	100.0									99.	9
-30	99.7	4	L									99.	9
-35	99.8	4	L						·			100.0	10
-40	100.D		·										10
	9 · · · · · · · · · · · · · · · · · · ·			I									
	<u>"</u>				i								
***** ·													
	π-· •	*	1										
	*												
	† † ·											· · · · · · · · · · · · · · · · · · ·	
MEAN	12.2	16.4	23.3	29.5	38.7	47.5	54.6	52.7	42.6	33.4	22.1	15.9	3
5. D.	15.2201			7.545			8 . 624	6.003	7.809	8.168		13.089	17.

DELEAL CLIMATOLOGY BRANCH

COST TAC

AS A SATHER SERVICE/MAC

7.2559 NATRONA CO/CASPER MY 50-81

TATION NAME

72569 STATION

DAILY TEMPERATURES

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MEAN

T	EMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	3.7.							• 2						2
	7	-					. 4	3.5	1.5	• 1				
	75		-				4 - 1.	26.7	14.8	1.4				4.
	7 7	•				. 7	20.6	66.1	53.3	9.6		• • • • • • • • • • • • • • • • • • • •		12.
	65				• 1	5.7	44.9	89.1	80.6	27.1	1.3			21.
	6			1	2.1	20.7	69.4	96.6	92.8	52.8	9.1			29.
	,5	· ·	· · · · ·	. 8	8.7	43.6	87.2	99.2	98.1	70.1	25.3	. 9		36.
			• 6	4.5	23.7	65.6	95.9	99.7	99.6	83.7	45.6	6.4	• 5	44.
	45	1 • 2	4.5	13.0	43.0	85.1	98.6	100.0	100.0	92.5	63.7	16.7	3.4	52.
	4 E	6.9	11.4	27.4	63.5	94.0	99.5			96.2	78.9	33.1	11.2	60.
	3 -	20.2	27.5	45.9	80.1	98.1	99.9			99.6	89.7	50.9	26.2	70.
	₹2 ₃	36.5	48.5	63.9	90.8	99.4	100.0			99.7	96.6	66.4	41.3	78.
	25	52.3	63.0	77.Q	97.0	99.9	i			99.9	98.6	79.2	58.7	85.
	2.0	64.8	76.9	86.9	99.4	100.0				100.0	99.2		74.3	90.
	15	76.4	86.3	92.2	99.6						99.5	92.9	85.3	94.
		33.9	92.5	96.1	99.9	, 	·				99.9	96.9	92.0	96.
	5]	88.8	95.2	98.2	100.0						100.0	99.0	95.1	98.
		92.0	98.3	99.1								99.6	97.0	98.
	-5	95.5	99.7	99.8	i							99.9	98.3	99.
	-10	97.9	100.0	100.0			i					100.0	99.1	99,
	-15	99.4			· · · · · · · · ·								99.7	99.
	-2 `	99.9											100.0	100.
	-25	130.0												100.
	: 4										· 			
			 4	i							<u></u>			
	1													
		·												
_		L												
		· ···· · ·- · · · · · · ·	·-·-··											
		i ;												
				·										
		L4										L		
_		L									ļ			
ren i														
_	MEAN	22.7	27.2	32.2	42.5	52.5	63.1	71.0		58.7	47.5		26.1	45.
	\$. D	-	11.288			8.074		5.405				11.449		19.24
TC	OTAL OBS.	961	876	992	960	992	960	992	992	960	992	960	992	1162

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE C

GLOBAL CLIMATOLOGY BRANCH USAFETAC AT WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

725690 STATION NATRONA CO/CASPER MY
STATION NAME

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB	MAR.	APR.,	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
5.5		*	66	76	80	8.6	91	93	93	80	62	52	
5.1	5]	60	64	69	8.3	8.3	97	92	8 5	76	57	51	97
5.2	48	53	54	81	8.3	92	99	92	93	80	66	5.3	99
5.3	57	5.5	71	77	8 4	97	100	93	89	8.3	68	46	100
54	52	60	58	75	89	101	104	95	91	8 3	67	49	104
55	48	46	5 5	74	8.3	8.8	96	96	91	78	61	53	96
56	54	51	70	69	82	95	95	91	89	82	60	51	95
57	45	56	6 <i>2</i>	7 Q	77	8 9	95	95	85	85	51	51	95
58	47	64	56	74	87	94	93	96	91	81	65	56	96
59	5 3	4 8	57	77	81	95	100	94	92	71	64	54	100
6 '	45	44	70	76	87	93	96	95	93	79	59	55	96
61	5.3	55	67	73	8 5	95	94	96	84	74	5.3	50	96
52	48	65	64	81	83	93	94	93	84	80	65	58	94
63	51	63	67	75	83	95	96	91	88	84	64	52	96
54	48	45	65	71	89	91	95	94	86	78	64	52	95
65	5 J	5 3	60	75	79	8 4	92	96	83	80	71	59	96
6 6	51	46	73	72	87	94	99	93	8.8	76	62	52	99
67	51	5 5	70	73	86	87	95	95	91	77	59	42	95
68	48	5.3	68	75	79	91	95	95	8.8	75	61	52	95
69	5.3	5.3	69	80	91	92	97	99	91	72	63	53	99
7:	56	56	63	70	81	101	95	95	87	8.2	58	54	101
71	60	57	70	74	84	94	96	95	90	8 1	57	51	96
72	45	61	70	70	85	92	93	98	84	76	52	46	98
73	50	4 9	55	66	8.3	93	99	97	86	80	67	61	99
74	55	48	65	75	81	94	95	91	8.8	80	58	52	95
75	49	48	61	75	82	8 9	95	94	90	84	69	57	95
76	49	54	62	72	85	8.8	99	92	92	82	64	52	99
77	46	58	64	79	8 2	93	99	91	91	79	_ 7q	54	99
78	42	48	72	72	86	92	97	95	96	76	69	42	97
79	38	47	58	75	85	95	98	102	92	83	55	51	102
MEAN			<u> </u>	1									
\$. D.													
TOTAL OSS		MATES	+ / BAC	EO AN	1556			THE				T	

NOTES + (BASED ON LESS THAN FULL MONTHS)

O-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

EXTREME VALUES

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

72569 NATRONA CO/CASPER MY
STATION STATION NAME

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC	ALL MONTHS
80	48		55									11	9:
91	59	63	66	8.0	0.8	97	101	97	91	74	66	59	10
		· 	i								1		
	:	:		İ									
			-									·	
-					į		' I						
		<u> </u>											
1				ĺ									
		ĺ		Ì									
		i											
<u>"</u>													
	ĺ												
				l			{						
MEAN	50.0	53.9	64.0	74.4	83.7	92.5	96.5	94.6	89.2	79.1	62.3	52.5	97.
S. D.	4.743	6.024	5.694	3.635	3.187	4.103	2.806	2.487	3.244	3.546	5.344	4.551	2.48
TOTAL OS	961	876	992	960	992	960	992 ULL MOI	992	960	992	960	992	1162

O-85-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC

C

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

77569 NATRONA CO/CASPER WY
STATION STATION NAME

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
50			-6	15	20	34.	42	41	30	15	-6	-13	
51	-23	-16	-9	14	30	28	43	42,	23	1 3	1	-17	-23
52	-17	C	-7	19	32	4 3	41	37	34	14	-11	2	-17
5.3	-4	-6	4	14	16	39	49	47	33'	25	1	1	-6
54	-11	3	-11	20	17	35	47	4 3	32	17	6	5	-11
5 5	-6	-10	-15	8	34	38	43	47	32	22	-12	-6	-15
56	-6	-12	-13	16	29	4 1	47	36	30	22	-7	-10	-13
57	-22	-2	-4	9	32	39	44	47	31	22	5	0	-22
58	5	-7	-2	15	26	42	43	40	29	18	-9	-1	-9
59	-25	-3	5	13	32	39	39	44	24	21	-11	2	-25
60	-11	-19	-19	16	30	37	49	38	36	20	2	- 3	-19
51	-5	8	11	17	29	4 3	46	5.0	24	13	2	-18	-18 -30
6.7	-31	-14	-3	19	32	35	44	36	29	25	18	-13	- 30
63	-27	-5	3	22	31	4 3	48	48	41	15	11	-14	-27
54	-6	-2	-4	12	30	36	51	36	22	19	-4	-31	-31
55	-10	-15	-21	26	27	36	45	33	19	24	16	-9	-21
66	-16	-9	-2	-4	25	32	49	36	33	15	-8	-10	-21 -16
67	- 8	-2	-4	12	20	3 8	46	41	35	15	-3	-19	-19
6.8	-18	ō	7	1	17	35	37	39	31	18	6	-28	-28
69	-9	3	-6	23	27	28	43	44	35	9	G	0	~ 9
77	-23	1	-2	5	27	34	45	47	27	12	0	-7	-23
71	-13	-16	-6	7	30	40	38	45	24	- 3	O.	-6	-16
72	-43	-17	1	5	26	39	30	4 3	21	2	-6	-27	-40
73	-24	-13	13	4	28	3 3	43	4 4	30	20	2	-11	-24
74	-28	0	-4	20	24	32	45	40	30	25	5	-1	-28
75	-16	-13	-2	-2	24	36	45	40	26	16	-14	-11	-16
76	-13	-14	-2	15	29	33	47	37	31	17	-8	-1	-14
77	-18	5	7	7	31	44	40	33	32	20	-14	-23	-23 -34
79	-15	-13	-8	20	30	₹ 6	44	42	26	21	-5	-34	- 34
79	-29	-22	11	15	27	? 2	45	46	30	15	-7	-11	-29
MEAN	· · · · · · · · · · · · · · · · · · ·												
\$. D.													
TOTAL OBS											1		

NOTES + (BASED ON LESS THAN FULL MONTHS)

048-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC

SECRAL CLIMATOLOGY BRANCH USAFETAC ATT AEATHER SERVICE/MAC

EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

7.75690 NATRONA CO/CASPER BY
STATION STATION NAME

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
р ¬ 9 1	- 32	-11 -19	13	16 18	28 32	35 36	4 4 4 5	39 44		19 13	5	-6 -1	- 3: - 1:
						·	 :						<u>-</u>
					-							•	
						1					1	<u></u>	
													
						_							
													
			+										
MEAN	-16.1	-7.7	-2.3	13.0	27.3	36.6	44.0	41.4	29.2	16.8	-1.2	-10.0	-21.7
S. D.	10.375	8.079	8.591	7.267	4.772	4.126	4.099	4.528	4.804	6.160	8.1471	0.310	8.04
TOTAL OBS	961	876	992	960	992	960	992	992	960	992	960	992	11629

PORM DOES (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC

C

C

GLOBAL CLIMATOLOGY BRANCH USAFETAC AID *EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725697 NATRONA CO/CASPER BY 73-81 JAN
STATION STATION HAME PAGE 1 DDDG-2200

PAGE 1 0000-0200 HOURS (L. S. T.)

Temp.			-			WET	BULB	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(₹)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 2	25 - 26	27 - 28	29 - 30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb De	w Point
44/ 43			• 2					• 1										3	3		
-2/ 41			. 1	. 2	_ • 5		• 2			į į					i			9	9	i	
46/ 39	1		• 6		• 5	• 2												19	19	2	
3./ 37			1.1	1 . 3	1			1		i								21	21	1	1
3:/ 35		• 2	1.8	1.1	• 5													30	30	15	2
31/ 33		• Z	1.5	1 . 3	. 9					<u> </u>								32	32	20	
2/ 31	• 1	1.3	3.8	1.3	1.0				:	1		1					,	62	62	40	11
7 / 29	. 6	1.3	2.3	. 2				<u> </u>			! !						·	38	38	40	21
2-1 27	1.2	2.6	1.6	. 4				•		,					i			47	47	681	22
7 / 25	5	2.1	3.5	. 9				<u> </u>										57	57	66	34
2-1 23			1.9	• 1		- 1				į.					1	į		36	36	33	38
2/ 21		4.0						<u> </u>										41	41	69	36
^ / 19	1.3	4.0	1.1					ł						- 1	,			53	54	58	61
1 1 17			. 9					+	L						-			31	31	39	52
1:/ 15			1.0					į.	i							· ·		52	52	34	61
1-/ 13		2.1																26	26	56	50
12/ 11	-	1.7			ļ				ļ]			:					22	22	26	52
1/9		1.5						<u>i </u>	L									20	20	22	52
1 1 7		1.1						ļ	1	1		1	- 1		il			17	17	19	50
1 5		1.0						.										19	19	20	31
4/ 3		1.5				1		į.	į	! :		1	1	į				26	26	28	18
/ 1		1.6							i				\rightarrow					34	34	29	19
/ -1	2.4							1							i			25	25	31	42
- / -3		1.1																15	15	18	15
-11/-5	. 9	• 5		i	i			i]	, ,		1				1		11	11	10	15
-(1 -7	. 7				-	+			ļ									8	- 5	9	16
-1/ -9	• 6				ļ			!	[i i				İ	i			8	8	7	21
-: C/-11	1.7			+				i				 +	-+-					15	15	16	14
-1 /-13	• 5				į	ì		İ	Ì				i		}			4	4	5	7
-14/-15	1.1		<u> </u>	·						-		 	\rightarrow					11	11	11	15
-1:/-17 -1:/-19	1.3					- {		1	}				1					10	10	1	15
- 0/-21	1.2			 				 	 			 						10	5	5	13
- 2/-23	• 6			1	1	. !		})		}						3	3	7	12
	. 4	zx'			E X	 _	- -	 _	<u> </u>	No. Ob				لسسا	Mag. 24			h Temperati	رد		* <
Element (X) Rel. Hum.		~ X ·			- X	- 	X	-		r44. US	<u></u>	1 0 F		32 F	# 67		73 F	- 80 F	* 93 1	To	
Dry Builb								 	-+-			2 U F	 -	34 "	20/	- -	73 -	- 30 F	- 73 (
Wet Bulb	 					-		 					+			-+-		 	+		
Dow Point								 					+		 -				+		
Den Foldt																			ــــــــــــــــــــــــــــــــــــــ		

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

USAFETAC

PSYCHROMETRIC SUMMARY

2569	NATROP	NA COZ		ATION NA					73-	81				EARS					MON	TH
																	PAG	Ł 7	HOURS IL	- 320 . s. t.)
Temp.					WET	BULB 1	TEMPE	RATUR	E DEPRE	SSION	(F)						TOTAL	1	TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 2	4 25 - 20	6 27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Buib	Dem Po
2-1-25	• 1								Ţ				,		1		. 1	1	1	
7 /-27	• 2	1							1		1 !		1	1		L	2	2	<u> </u>	
1-29									1						1	1	i	!		
7 /-31				!			l 	<u> </u>	i +		1			<u> </u>	-	!	-	<u></u>		
2/-33		1						ļ		į			1	1	1	1	!			
34/-35													<u> </u>			<u> </u>	· 	+		
OTAL	27.138.	322.5	7.9	3.5	• 2	• 2	• 1		į		1 1		1	1		:	i	923		82
											i			+			822		822	
							:		1	1			;	-	1		•			
							· 	<u>. </u>		-	+		+	+	 	 	÷			
			i	i	Ì				:		1		1	i	1	:	1			
							 		-		+		-		+			•		
			1	- 1		1		1	1	1	1		į	1	1	:				
							ļ				+-+		+				+		·	
;				į				1	ì		i		ĺ		1		1			
							ļ	 	 		·					}	+		•i	
1			1	1					1		1 .		1			Į.	i	i		
					-			 	-		 			+	+			+		
							1		1	ļ	1 1		1	,	i		f			
		+		+				 	+	 	 			+	+	 	 	+	·	
	(1	i	:	- 1		 	i	1	1	!		1		1	1	1			
-			+		+				+		++		+	+	+	+	+			
!		1	i				!		1	!	!			}			i i			
	i							 	+	 	 		+	+	+		<u> </u>		+	
- 1	į			ŀ			Ì	į	1	i I	1		Ì	ļ	1	1	1			
	+			+			-	 	+	 	++		 	+	1	 	†	+	+	
1	ļ.			ļ	į		ĺ		İ	1			1		İ	1	1			
		++	-					1	1		 			1					•	
į		1 1			}				{	(1 1			1	į	İ			1 :	
	+	1	1	+					1				-			1				
1	1	1 1	i	i	ļ				_]	ļ _	i i		1	1	1		<u></u>		<u></u> i	
		1						1							1			-		
		1	أ		i											<u> </u>	1	<u> </u>	نــــــن	
Element (X)	ZX'			, X		X	,		No. Ol								h Tempera			
Rel. Hum.		89169		582			13.7			22	± 0 F		1 32 F	* 6	7 F 1	73 #	→ 80 F	• 93	F 1	Total C
Dry Bulb		31247		141			15.1			53	14.		80.				 			9
Wet Bulb		44579		124			13.8			22	15.		88.				 			9
Dew Point	2.	33621		72	8 3	8.9	14.3	21		22	23.	٧)	92.	7)						9

CLUEAL CLUMATOLOGY ROANCH

GLUBAL CLIMATOLOGY BRANCH USAFETAC ALT **EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725692 NATRONA CO/CASPER MY 73-81
STATION STATION NAME
PAGE 1 0300-0520 HOURS (L. S. T.)

					W.T. 0	0 7		4 74405	2500		(5)						707		HOURS (C.	
Temp. (F)	0 1.2					ULB TE						3 - 24 25 -				•	TOTAL		TOTAL Wet Bulb D	
	0 1.2			7 . 8	9 - 10 11	1 - 12/1	3 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2.	3 - 24 25 -	26 27	- 28 29	. 30	2 31				w Poin
4 / 45		• ?		,					(i	1						: 2			
4/ 43		1				• 4				···	+						- 4			
427 41 407 39				•6													. 5	-	_	
		•	1.3	. 4								-	-+				20			
3 / 37. 7 / 35		1.7	• 7 • 8	. 4	• 1				Î.								24			_
3 / 33		1.3		•5							++-		-				18			
2/ 31	1.2	. 103		1.3													31	_		_
17 29	•4 1.0	2.1	1.7	4.•	+				•			+	-+				49	+		10
2:1 27	1.1 1.7		. 2										1				-	_		_
/ 25	.6 1.8	3.5	• 2								++		+				46 51	•		30
2. / 23	•2 2•8											i	1				41		59	36 32
2/ 21	•5 2.9												-				39			<u>32</u>
/ 19	1.3 3.9	.7							•			1	ŀ				46		_	64
1 / 17	1.3 3.3	1.6									+		+				51		·	43
1 / 15	1.1 4.7	.6											-				53			69
1 / 13	.8 2.3	• 5	•		····	+							+				30		·	63
1 / 11	1.1 1.3			,		:	j					4	i				, 21			50
1/4	1.1 1.2	• 2				+					+ <u></u>		 -				21		23	46
1 7	1.1 1.1	.1					i		!		:	1	- 1	-			19		19	51
/ 5	1.5 .8						-				+ -		-+				19		26	38
1 3	1.6 1.6												i		:		26			20
/ 1	1.3 2.8										†				1		38		33	22
/ -1	1.6 .8								:	1			Ì		ļ		20			23
/ -3	.7 .8										 		+				13			32
-4/ -5	1.0 .6						i			!	1 1		i	1	,		13		9	17
- / -7	.4										1						3	+	8	17
/ -9	1.2 .4									!	1 1	4		1			13	. 13	10	14
- : 2/-11	1.3 .1										+	+					12		14	14
1 7-13	1.1 .1		÷		- 1	1	į						-	ĺ			10			5
-14/-15	1.3										-						11		11	14
· [· / -17]	1.6		i		ĺ	i		i			1	:			Ì		13	13	1.3	11
- /-19	.6																5	5	5	16
- `C/-21	. 7		i		,	i					1 _ 1			1	i	_	6	6	6	9
Element (X)	2 %,		- 3	X	7 5		·,		No. Ol	5.			Me	en Ne.	of He	wis wil	h Tempera	ture		
Rel. Hum.					1						10F	± 32 ₱		2 67 F		73 F	- 80 F	. 93	F To	tal
Dry Bulb													T							
Wet Bulb								1				7	1		T					
Dew Point															-		1	1		

FETAC NORM 0-26-5 (OLA) service reginous contons on

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2 NATRONA COUNTY/CASPER, #YOMING. REVISED UNIFORM SUMMARY OF SURF--ETC(U) AD-A118 506 JUL 82 USAFETAC/DS-82/041 UNCLASSIFIED SB1-AD-E850 200 NL 4 > 6 4 18506

PSYCHROMETRIC SUMMARY

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP MEATHER SERVICE/MAC

725690			JCASPER STATION I					73-				YEARS					A L	
															PAG	E 2	0300-	0:
				WET	T BULB	TEMBER	ATURE	DEPRE	SSION	(E)					TOTAL		TOTAL	_
Temp. (F)	0 1	. 2 3 . 4	5 - 6 7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 25 -	26 27 - 2	8 29 -	30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb)+w
- 2/-23	• 5			1	-										4	4		
-24/-25	•5	i						ļ	ļ		_	·			4	4	4	
-21/-27	• 1							ļ	i			1	!		1	1	1.	
-/:/-29 -*C/-31			·					<u> </u>	ļ	+		+		- 				
- 32/-33					1						1	ŀ	1	!				
-31/-35	·		 	·				 		+			<u> </u>	+	 			
TOTAL	27.838	8.622.6	7.3 3.2	2	2 . 4	1					!		i			826		8
	•				+	-				 					824		824	
	· ·			<u>:</u>		· 		<u> </u>	; 			·			<u> </u>			
	,							1				1		,	:			
				.		<u> </u>			-	+	\longrightarrow							
		1			1			1	:		1		1	,				
	•			┼	+				<u> </u>	+				-+	 		+	—
			!					}	:	1			1		İ			
				 				+					+		 		+	- —
					;) ,		į		1	į	1	i	-				
			•	+	· -			1					+					
			1	;	}				ļ.	1 1	1	į	į ,		j :			
			-		1						:				1			
			·	!	1					i 	i	<u> </u>			<u> </u>		<u> </u>	
			;	1							1	1	!	1		!		
	·		·			i		<u> </u>					+		ļ <u>.</u> .		·	
	1	1		İ		;												
	+		·		+			 	 	++-			+	-+	 			
	i į	1	:		ì											;	1	
	·		 	 	+			t —		+			+	+				
		i	i i		į													
			,	,	1						- [7-	T					
				<u> </u>	1								 					
	i [1	i l	-	-					1	1		-			į		
	}		 	1	<u> </u>		-,			لللل	1	<u> </u>	<u> </u>	4.44	1		<u> </u>	_
Element (X) Rel. Hum.	z,	, 4307942	2 x	19	71.0	13.6	19	No. Ob	24	10F	± 32 F		7 F	= 73 F	h Temperet	e 93 f	- -	ete
Dry Bulb		417748	1			15.2			26	14.			" -	- /3 /		- 73 '		
Wet Bulb		331277				13.9			24	16.0			\dashv			+	+	_
Dew Paint		224363		85		14.3			Z 4	24.1					 	+	+	_

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AT WEATHER SERVICE/MAC NATRONA CO/CASPER WY 725697 73-81 0600-3800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb De 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 (F) . 2 44/ 43 3 3 42/ 41 46/ 39 .5 1.4 20 20 3: / 37 36/ 35 .2 2.2 1.0 33 5 2 - 6 33 .4 2.2 1.5 2.6 1.2 72/ 31 50 50 33 8 3E/ 29 26/ 27 .5 2.5 1.7 .1 2.3 2.5 .6 <u> 38</u> 45 45 35 27 1.3 2.8 3.0 Cc/ 25 55 55 40 69 24/ 23 .2 2.5 1.0 31 31 69 34 .4 2.6 1.5 40 27 36 36 19 .4 4.7 1.4 52 42 52 63 18/ 17 1.4 5.4 1.8 70 70 59 42 1: / 15 .7 2.1 .2 25 25 62 14/ 13 1.6 3.4 35 1.1 1.2 11 14/ 23 23 37 54 9 64 16 1.7 2.3 18 28 29 37 1.7 1.0 5 23 33 34 4/ 3 1.4 1.6 24 23 26 1.1 2.5 29 28 -1 13 13 1.1 17 16 -./ -3 .5 1.1 13 13 • 5 -5 . 7 10 10 19 11 -t/ -7 - 1 -9 19 2.1 19 19 13 2.0 16 -12/-13 7 -14/-15 -16/-17 10 10 10 17 -1:/-19 13 -2 /-21 12 - 2/-23 Element (X) Mean No. of Hours with Temperature Rel. Hum. *67 F = 73 F = 80 F = 93 F Dry Bulb Wet Bulb Dow Point

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIF WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY JAN 73-81 STATION PAGE 2 0600-0800 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1.2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 +31 D.B./W.B. Dry Bulb Wet Bulb Daw Point (F) -2 /-25 1 11 1 2:1-27 9 -7 /-29 4 -3/-31 2 . 1 25.440.023.3 7.4 3.0 .6 812 812 812 ತ 57062 57062 70.313.468 Element (X) 4157474 812 ≥ 67 F > 73 F = 80 F 1 32 F + 93 F Ret. Hum. 10F 16.815.045 413672 13672 814 13.8 80.3 Dry Bulb 14.8 328490 88.9 11964 812 Wet Bulb 8.314.157 218909 812 22.3 92.7 Daw Pales

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** UTAFETAC ATE WEATHER SERVICE/MAC 725697 NATRONA CO/CASPER MY 73-81 JAN MONTH C900-1100 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point 5 / 49 • 1 • 1 4:/ 47 .1 4: / 45 • 5 8 8 44/ 43 12/ 41 .2 1.0 1.0 21 21 • 2 • 1 4 / 34 .5 1.2 37 1.8 1.7 • 6 40 40 7E / 35 .4 2.6 1.2 1.0 43 43 29 3 / 33 .9 2.3 2.2 1.5 56 56 44 1.2 3.5 1.2 54 54 47 3C/ 29 1.0 3.8 1.5 54 54 52 22 2 / 27 47 •1, 1•7; 3•4; 1•1; 52 25 1.2 2.3 1.0 40 24/ 23 .1 2.0 1.8 32 32 51 30 .2 2.3 2.1 2/ 21 53 38 38 41 20/ 19 2.6 2.3 44 44 43 .5 2.2 1.2 17 32 32 46 61 1-1 .2 2.6 . 4 26 26 46 13 .6 2.0 .6 26 26 33 43 1 / 11 1.1 1.8 28 56 26 26 24 65 10/ 9 • 2 2.0 19 19 7 . 4 2.7 28 28 21 44 13 18 13 25 .6 1.0 . 9 20 3 1.2 19 1.0 2.8 31 31 20 25 1.2 .9 -3 10 8 8 9 16 -1/ -7 1.0 . 9 15 15 14 12 17 --/ -9 12 16 -1 /-11 15 -1./-13 1.0 -14/-15 12 14/-17 13 Mean No. of Hours with Temperature Element (X) Rel. Hum. 1 32 F ± 67 F = 73 F = 80 F = 93 F Dry Bulb Wat Bulb Dow Point 0.7

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIF WEATHER SERVICE/MAC NATRONA CO/CASPER WY 725690 73-81 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 > 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 1-19 1 1 12 1-21 4 2/-23 2 6 -2-/-25 7-29 2 13.634.329.912.5 6.2 2.7 .6 919 819 819 819 0.26-5 12 65.214.011 No. Obs. Element (X) 2 x 53373 Mean No. of Hours with Temperature 3638809 819 1 32 F 69 • 3 Rei. Hum. 10F > 80 F 21.614.415 18.512.649 17662 550852 819 Dry Bulb Wet Bulb 412244 15180 819 10.6 82.9 93 235004 9012 11.012.887 819 92.7 73 18.8 Dow Paint

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIF WEATHER SERVICE/MAC 7256 90 STATION NATRONA CO/CASPER HY PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Pei 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 E 6 / 57 . 1 51/ 55 4/ 53 . 1 12/ 51 5 49 . 2 5 20 40/ 47 4:/ 45 30 30 1.1 1.0 . 6 . 6 44/ 43 .6 1.4 1.0 37 42/ 41 .4 1.7 1.2 1.0 . 2 4 / 39 43 43 .4 2.1 1.7 1.0 53 3: / 37 2.5 2.1 1.8 53 33 .4 2.3 .9 1.0 2.7 1.7 / 35 41 38 49 34/ 33 49 75 6 .7 5.1 1.7 1.7 78 78 73 . 9 707 29 3.5 65 2-/ 27 1.0 3.0 57 . 7 38 38 73 53 46 25 .5 2.3 28 28 1.2 2 . 5 . 2 32 32 52 2/ 21 38 46 1.2 1.2 . 1 21 21 75/ 19 34 2.8 1.0 31 17 2.6 . 9 28 29 32 55 1 1.6 26 14/ 15 61 13 2.2 23 23 18 2.6 27 27 26 53 17 27 43 10/ 1.4 17 1.2 17 1.2 12 12 12 2.0 16 16 10 43 14 21 14 1.7 18 18 18 14 -3 1.2 10 11 13 9 9 -1/ -5 1.7 20 Element (X) Mean No. of Hours with Temperature USAFETAC Rel. Hum. Dry Bulb Wet Bulb Dew Point

GLCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER MY 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point -:C/-11 14 -1./-13 6 -1-/-15 13 -1:/-17 -11/-19 1.830.331.314.511.6 5.1 3.5 1.4 TOTAL 811 811 811 ತ 0.26.5 2x' 2992727 Mean No. of Hours with Temperature Element (X) ₹ x 47909 7 59.114.166 No. Obs. 811 1 32 F 56 • 1 10F +47 F +73 F +80 F • 93 F Rel. Hum. 756048 22052 4.9 93 27.213.921 812 Dry Bulb Wet Bulb 532658 18510 22.811.664 811 3.7 72.7 93 273505 811 93 Dew Point

GLUBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIF WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY 73-81 STATION 1500-1700 HOURS (L. S. Y.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 - 12 13 . 14 15 . 16 17 . 18 19 - 20 21 - 22 23 - 24 25 . 26 27 . 28 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin 5-7 57 4/ 53 5 32/ 51 . 2 8 . 1 • 1 4=/ 47 . 8 44/ 45 . 8 • 5 24 24 44/ 43 30 . 8 1.1 1.0 . 5 30 42/ 41 .6 1.2 1.5 39 39 3 . 6 / 39 .6 2.3 1.5 1.0 45 45 37 43 43 29 . 6 31/ 35 2.2 1.8 47 47 36 5 31/ 33 .6 2.7 1.9 1.0 . 1 54 54 79 12/ 31 .2 1.1 4.7 1.8 71 71 25 66 68 28 47 1.0 2.8 1.2 43 36/ 29 . 2 43 2-/ 27 1.9 2.8 1.6 53 53 78 2t/ 25 .2 1.0 2.4 32 64 49 2. / 23 2.1 42 1.1 <u>26</u> <u> 26</u> 61 2/ 21 1.7 1.1 23 23 48 48 70/ 19 2.1 1.0 25 27 67 17 .1 2.8 1.1 33 33 33 63 <u>1:/</u>15 .1 3.0 31 31 24 39 14/ 13 2.1 1.0 26 26 35 62 1./ 11 .2 2.1 23 53 22 22 . 5 9 2.1 21 21 27 16/ 55 1.2 14 16 35 5 t/ 1.1 16 12 1.6 12 21 1 2.5 22 22 18 33 19 1.0 10 0.26-5 -3 1.6 -.1 13 13 14 -4/ -5 1.0 9 10 -6/ -7 10 10 18 Rel. Hum. 267 F 273 F 280 F 10F 1 32 F Dry Bulb

GLCBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATE WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER WY 73-81 1500-1700 HOURS (L. S. T.) PAGE 2 TOTAL TOTAL
D.B./W.B. Dry Sulb Wer Bulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) 17-11 •1 1 17 1 -1⁻/-13 -1-/-15 9 14 11/-17 11 -1-/-19 C/-21 TOTAL 3.632.628.915.2 8.9 5.4 3.0 1.5 .5 827 827 827 ₫ 2x' 3187999 Element (X) No. Obe. Mean No. of Hours with Temperature ¥9861 60.314.836 827 2 0 F 1 32 F 737969 21763 26.314.145 827 5.3 57.7 Dry Bulb 22.211.883 13.512.216 524426 18364 827 74.1 7.0 93 Wet Bulb 92.2 273681 11153 827 23.7 93 Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF HEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725697 NATRONA CO/CASPER MY PAGE 1 180G-2000

													,		HOURS (>. 1.7
Temp.			WET	BULB	TEMPER.	ATURE	DEPRESSIO	N (F)					TOTAL		TOTAL	
(F)	0 1.2 3.4	5 - 6 7 - 1	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 19 -	20 21 - 22	23 - 24 25	- 26 27 -	28 29 -	30 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
4 / 47			. 1		• 1	ļ	1	- } - }					2	2	i '	
4. / 45			. 1		_ • 1								2	2	L	
44/ 43		• 2	5				1		1	i		ĺ	6	6		
42/ 41	.8	.7	5 . 2	. 1				i		i			20	20	: 	
4 / 39	. 8	1.0 1.	1 .2										26	26	1	
3 / 37	.2 1.6	1.3 .	7 . 4	,1									35	35	12	
· / 35	.4.1.8	2.0	7 . 1						!				42	42	23	
3-/ 33	.2 .6 2.0	1.9	6			·—·							4.5	45	38	
72/ 31	.1 1.0 3.6	1.2 1.	1]		i		1 1		į	1		58	58	45	15
7 / 29	.7 1.4 3.4	2.2 .	1		! 								65	65	5 5	20
2.1 27	.2 2.9 2.0	1.3 .	1	Ţ									5.5	55	70	
©€/ 25	.1 2.4 2.4	• 2						i					43	43	71	41
2./ 23	1.9 2.6	• 1				- (į	39	39	61	36
2/ 21	.1 2.2 .8	1	1	i			i.	1 i		1		<u>_i_</u>	26	26	58	58
: / 19	.7 4.5 1.4							- I			1		55	55	38	66
1:/ 17	.7 3.1 1.2		i	:								1	42	42	50	58
16/ 15	.6 1.9 .2	1							- '	i			23	23	42	58
14/ 13:	1.1 1.2 .4							- i i			1		22	22	30	_ 60
1./ 11	.8 1.3 .1		-										19	19	17	63
1 / 9	.6 2.0		-			1	1	1 1		i		1	22	22	26	43
1 7	.6 2.6		-								1		27	27	25	38
1/ 5	1.0 1.1	·	1	L _ l	L i						· .		17	17	23	17
1/ 3	.6 1.4	i						T	- i				17	17	12	29
./ 1	.8 2.3	! L _	i					_il					26	26	24	32
/ -1	1.0 .7				-			1				T	14	14	2.2	14
- / -3	.5 1.1		_i			1		i					13	13	14	21
-1/-5	.5 .7		i							7		1	13	10	9	9
-0/ -7	1.1 .5	<u> </u>	1	L		1				L_		_1	13	13	16	12
-:/ -0	2.4 .1									- T			21	21	23	15
- '0/-11	1 - 1 - 1		1	L !	Ll	1							10	10	10	15
-1./-13	• 5										7		4	4	4.	9
-1-/-15	. 7							1					6	6	6	21
-1:/-17	• 5												4	4	4	16
-1-/-19	• 1			<u>i </u>				1					1	1	1	15
Element (X)	2 x²	žχ		X	" a		No. Obs.			Mo	on No. of	Hours wit	h Tompore	ture		
Rel. Hum.								= 01	1 3	2 F .	67 F	≥ 73 F	- 80 F	- 93	F 1	Fetel
Dry Bulb						1										
Wat Bulb																
Dew Paint													I			

USAFETAC NOW 0.26-5 (OLA)

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725690 NATRONA CO/CASPER MY 73-81 1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 1 1-21 -24/-25 7-29 TOTAL 17.637.825.412.3 5.4 1.2 831 831 831 56476 707 67.913.908 No. Obs. Element (X) Meen No. of Hours with Temperature 3989232 831 Rel. Hum. 10F 17002 523794 27.514.443 831 10.9 93 Dry Bulb 401755 84.7 93 17.812.874 14817 831 12.3 Wet Bulb 10.913.196 92.2 93 244004 9092 831 18.2 Dew Paint

020 0-26-5 (OLA) emise

USAFETAC

torion o

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

775620 NATRONA CO/CASPER WY
STATION STATION NAME 73-81 PAGE 1 2108-2300 HOURS (L. S. T.)

Temp.					WE1	BUL	B TEM	PERATUR	E DEPRE	SSION (F)					TOTAL		TOTAL	
(F)	0 1.2	3 · 4	5 - 6	7 - 8	9 - 10	111 -	12 13	14 15 - 1	6 17 - 18	19 - 20	1 - 22 23	- 24 25 - 2	6 27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wer Bulb D	ew Pari
4 / 45	·- 					+		• 1	1	· ·			<u> </u>			1	1		
-4/ 43				• 2	:	•		• 1	1	1	(3	3.		
1:2/ 41		. 6	.6	. 6			. 1									16	16		
4 / 39		1.1	. 9	.7			•		1							22	22		
3 / 37			1.3	•2					+				+			19	19	7	
7. / 35	.1 .4	1.5	1.8	1.1					:			·				40.	40	19	1
3-/ 33	.1 .4	. 9	1.6	. 6	-											29	29	24	7
72/ 31	1.0 1.3	3.9	1.2	.5						İ						65.	65	46.	12
7 29	•2 1.7	2.2	2.1			+										51	51	41	20
2./ 27	.2 2.8	1.8	. 4													4.3	43	66	22
2 / 25	.9 2.6	2.2	. 9			•										53	5.3	63	36
2. / 23	.1 2.7	1.6	• •										:			36	36	59	28
2/ 21	.5 1.9	1.3	•1							-			-+		•	32	32	52	44
/ 19		1.8	.1													71	71	46	74
1 / 17	.6 2.7	. = ===				•										37	37	59	5.5
1./ 15	1.2 2.9	. 4							'							. 37	37.	45.	53
10/ 13	1.6 1.5	. 2											+			27	27	46	5 5
1 / 11	.7 1.5	•-			•			!								18	18	16.	5
/ 9	.4 1.9	• 1				-			+							20	20	21	61
1 7	.2 1.8	.1					,	1	i	:						1 18.	18	16	39
/ 5	9 1.1	.1				+										17	17	22	24
·/ 3	1.8 1.1									'						24	24.	25	1
1	1.9 1.3					•		+	 							24	24	25	32
/ -1	1.8 1.2										i		;		!	25	25	21	21
- / -3	.5 1.5					•				+			· · · ·			16	16	23	24
/ -5	1.2 .2								- (1	:			12:	12	12	- 4
-1 -7	.5 .2					+			+				1		 -	6	6	8	
- / -9	.9 .7					1	3	j	i	:						13	13	11:	21
'C/-11	1.7					+		+	 				++			14	14	16	11
1:/-131	1.0					1	1			,	- 1				}	8	8	8.	13
1-/-15	.9					+				· · · · · · · ·			+			7	7	7	
1:/-17	1.1					į	-		1	1	İ	!				8	8	8	1
/-19	.4	+				1	-+-		+	 - 	+	 -	+			3	3	3	19
C/-21	-1	i							İ	į į	i		1			1	1.	1	1
Element (X)	Z _X ,			ž x	—	- X	-+-	• <u>,</u>	No. Ot	- 1			Meen N	lo. of H	byrs wi	th Temperate	70		
Rel. Hum.											10 F	± 32 F	≥ 67		73 F	≥ 80 F	≥ 93 F	Te	tal
Dry Bulb					\dashv							+ · · · ·	+				+	+	
Wet Bulb					-							 				 	+	+-	
Dew Point		+			\dashv	-	-			+		+	 -	-+-		 	 		
, 610.												٠					1		

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIP MEATHER SERVICE/HAC 72569 NATRONA CO/CASPER WY 73-81 STATION PAGE 2 2100-2300 HOURS IL. S. T.I WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin 2/-23 10 -2-/-25 2 -2 /-27 2 /-31 2 - 12/-33 2 -3./-35 TATAL 23.339.121.811.0 4.0 •1 •2 821 821 821 821 0.26-5 (OL 57508 70.013.791 Element (X) No. Obs. Mean No. of Hours with Temperature 4184178 821 Rel. Hum. 18.514.736 93 459521 15201 821 13.4 78.3 Dry Bulb 87.3 821 363584 13369 13.9 93 Wet Buib 9.913.733 234353 8089 821 20.5 92.1 93 Dew Peint

SLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 72569C NATRONA CO/CASPER MY
STATION NAME 73-81 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb (F) 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 Wet Bulb Dew Pair 51/ 57 • 0 • 0 5. / 55 -4/ 53 . 1 •0 . 0 F2/ 51 • 0 5 / 49 • 0 • 0 • 0 15 15 4 - / 47 4 Q 40 • 2 4 / 45 67 • 3 • 3 . 1 67 44/ 43 92 92 41 . 7 • 3 421 .0 . 8 152 • 2 4 / 39 1.4 . 6 . 4 217 .0 1.5 1.4 3 3-/ 37 • 3 253 254 93 ₹. / 35 .3 1.9 294 294 174 15 . 1 3 . / 33 . 1: .7 1.9 1.6 • 7 • 0 328 328 335 25 77 / 31 .2 1.2 3.7 1.4 10 487 487 386 29 1.1 2.8 1.4 375 408 160 • 3 2: / 27 379 379 507 279 .4 2.1 2.5 . 8 2.1 25 .5 1.8 2.7 359 359 522 314 21/ 23 2.0 1.9 273 273 423 2/ 21 .3 2.4 1.2 407 256 256 337 .6 3.8 1.3 377 378 332 542 / 19 17 3.0 1.2 324 325 429 11/15 .6 3.0 273 273 431 14/ 13 .9 2.1 . 4 221 222 301 454 1 / 11 .7 1.7 • 3 178 178 275 436 . 2 10/ 9 1.6 151 151 186 434 .5 1.8 7 . 2 163 320 162 156 5 1.0 128 129 177 191 1.0 1.5 150 165 165 167 1 2.1 218 243 1.2 218 201 1.3 140 140 182 163 101 101 121 157 -.1 83 83 79 104 . 3 61 61 78 113 97 Mean No. of Hours with Temperature Element (X) ZX T No. Obs.

0-26-5 (OLA)

Dry Bulb Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER WY 73-81 JAN PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Pain 1.1 • 3 /-11 75 75 82 113 /-13 -6 42 42 44 67 -14/-15 46 46 46 98 10/-17 48 40 40 100 1-/-19 . 4 27 27 27 104 /-21 • 3 20 20 20 51 2/-23 13 13 13 48 20/-25 34 8 8 31 2.1-27 ?:/-29 20 0/-31 .0 8 2/-33 4 -3:/-35 -31/-37 6573 ^TAL 17.636.425.711.0 5.7 1.9 1.0 •0 6567 6567 6567 ₹ Q 0-26-5 Total 744 z, No. Obs. Mean No. of Hours with Temperature 30747430 438932 66.814.652 6567 Rel. Hum. 85.9 576.1 95.8 667.9 154.8 739.1 4287344 135108 20.615.159 6573 Dry Bulb 17.713.356 3239033 116531 6567 Wer Bulb 744 1937440 69436 10.613.537 6567 Dew Paint

PSYCHROMETRIC SUMMARY

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

72569" NATRONA CO/CASPER MY
STATION NAME FEB PAGE 1 0000-0200

																		,		HOURS IL	. S. T.)
Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	• 31	D.B./W.B.	Dry Bulb	Wet Bulb (lew Pei
2/ 51		į	i	,	!		,	• 1	į	}	İ	1 1		l	}			1	1	'	
4t/ 45		<u> </u>	L		. 1		: 	ļ	<u>:</u>	ļ		L		<u> </u>			ļ	1	1	·	
44/ 43				i		. 4	- 1	•		{		1 1		i	1 1		l	4	4		
42/ 41		· 		. 4				·	<u> </u>	ļ	L	11			1			14	14		
40/ 39			4	1.5	• 9	. 4	- 1				ł							25	25	1	
3-/ 37		· 		1.1					-	<u> </u>				1	-			21	21	4	
367 35°			2.1		_	1			į.	į	!	į į		1				45	45	6	
34/ 33		. 9									: 	1		 _			 	58	58		
72/ 31		1.1						!	:	1	ļ	1			1 1			56	56	44	1.3
36/ 29	. 7	1.5	3.B	1.3	• 1		ļ	 			<u>.</u>	4		.			<u></u>	55	55	56	18
2c/ 27		1.2				į		1	ì	1	1	1 1		i				63	63		23
26/ 25		2.3						ļ	ļ	 		+			1			59	59		47
21/ 23	• -	1.7								1	<u>.</u>			1	! !	İ		38	38	75	29
72/ 21		3.2		• 1				<u> </u>		ļ	 			 	ii			48	48	62	- 99
7 19		3.4						1	ì		ļ			į.	1	i		41	41	49	65
1:/ 17		2.1						ļ	<u> </u>			ļi						28	28	46	79
1:/ 15		3.1		:					1	1	į	j)		1	1 :			32	32		77
11/13		2.0						 	ļ		 -							19	19	34	57
1 / 11		1.1]	}]	i	1 1		i	1	ł		16	16	16	50
1 / 9		2.0						<u> </u>		 		├			}		<u> </u>	17	17	21	53
		1.7		j	j				ļ	1		1		ļ	1 1	ļ					39
4/ 5	1.1									 		├ +		 	 			13	13		26
- 1			Į.						{	}	1	1 1		1				12	12	11	17
/ 1	8	1.1		i				ļ		 	 -	 		├	+			12	12	14	32
/ -3	. 4			- 1				i		1		1		1	1	ł		1 1	y ı		12
/ -5	.5							 		 		├		 	├ ───			8	- 6	8	
-6/ -7	• 5		1					1							1	ļ		6	9	0	9
-0/ -9	.8									 		 +		 				- 3			
-1 /-11	• 9			!						1		}		1	}	Ì		6	9		6
-1:/-13	- • 4							 -		 		 		 	├				3		
-14/-15	.1	!		1				1	}	1	}	1			1 1	j		3	اد 1 ا	31	7
-10/-17										+		├ ──┼		 	 						
-10/-19			, ,	1	i i	ļ										ļ			:	İ	7
Element (X)		Zx'					I	•	\ 	No. Ol	.	<u> </u>		٠	Mean N	o, of He	wrs with	Temperat			
Rel. Hum.									-			1 0 F		1 32 F	+ 67		73 P	- 80 F	· 93 1	+ 1	otel
Dry Bulb			~~			_			_					 -	1	-			1		
Wat Bulb						_			_				_			+-		1	1	_	
Dew Paint									_				-		t				1		
									_				_					_			_

GLUBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER WY 73-81 FEB STATION STATION NAME 0000-0200 HOURS (L. S. T.) PAGE ? WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 . 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 0/-21 3 2/-23 TOTAL 17.332.529.713.2 5.0 2.0 .3 745 745 745 745 õ 0.26.5 No. Obs. Element (X) Mean No. of Hours with Temperature 68.515.081 23.012.027 20.210.505 51047 3666931 1 32 F 64.9 Rel. Hum. = 0 F 5 • 1 # 67 F # 73 F # 80 F + 93 F Tetal 17162 502972 745 Dry Bulb 84 387170 Wet Bulb 745 5.9 77.5 84 Dew Point 220248 10086 13.510.607 745 8.0 83.4 84

GLEEAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC NATRONA CO/CASPER WY PAGE 1 9300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 23 | 1 | 0.8-W.B. Dry Bulb Wer Bulb Dew Point 5 / 49 2 42/ 41 .4 .1 .3 1.5 13 13 4 / 39 22 3 / 37 1.3 1.1 24 24 .8 1.1 20 20 3 / 33 .9 2.0 26 . 7 . 8 38 38 .3 1.1 4.5 3.3 73 73 .5 2.1 4.7 2.1 71 1.1 2.0 4.1 1.9 2-/ 27 68 ~/ 25 .5 1.6 5.6 61 61 90 21 23 .1 2.5 2.3 71 38 38 2/ 21 .4 2.9 2.0 70 41 46 41 / 19 .8 3.2 36 36 66 1-/ 17 .8 2.9 34 34 40 66 94 1:/ 15 .9 3.2 34 34 34 1.1 2.7 -/ 13 28 28 39 57 .8 2.0 21 10/ 11 26 53 1.3 1.7 23 23 29 .9 1.2 17 17 5 13 13 35 . 9 1.2 18 25 16 16 • 3 1 8 8 11 29 10 . 1 -7 4 6 6 -10/-11 8 -1-/-15 -1:/-17 -12/-19 Ž No. Obs. Ret. Hum. s 32 F Dry Bulb

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER WY 73-81 FEB 0300-0500 PAGE 2 HOURS (L. S. T.) Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 2/-23 2 -2-/-25 18.033.129.113.7 3.7 1.6 .8 750 750 750 750 2x 51456 68.614.959 No. 060. 3697908 Rel. Hum. 1 32 F 22.311.899 19.610.376 480674 16762 750 5.2 70.3 Dry Bulb 5.3 369577 14719 750 79.3 84 Wer Sulb 208007 9681 12.910.530 750 84 8.0 83.6

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AID WEATHER SERVICE/MAC 725693 NATRONA CO/CASPER HY
STATION NAME 73-81 FEB 0600-0800 HOURS (L. S. T.) PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | • 31 D.B. W.S. Dry Bulb Wet Bulb Dow Point "4/ 43 . 7 . 1 (2/ 41 40/ 39 3 / 37 . 3 19 19 . 3 3. / 35 .9 1.5 . 1 28 10 31/ 33 .4 1.2 1.7 1.2 35 36 ĺ 18 6 72/ 31 71 .4 1.1 4.6 2.4 71 9 . 8 • 3 34 1/ 29 .1 3.1 4.8 2.3 77. 77 37 .9 2.1 5.5 1.3 2 / 27 74 75 90 21 <u>~/ 25</u> .8 3.2 37 37 88 24/ 23 2.6 3.2 44 71 '2/ 21 .1, 3.1, 2.1 40 40 53 / 19 .8 4.6 1.7 53 53 62 69 1-/ 17 .7 2.1 25, 43 14/ 15 . 9 3.4 32 34 90 32 1.7 3.5 39 39 37 64 1./ 11 .1 2.6 21 21 29 62 .5 1.9 19 19 30 52 . 8 15 1.5 20 20 49 • 1j 1 • 1 14 1.2 .7 14 17 24 . 8 13 24 -1 12 13 11 -5 . 4 6 / -7 -9 . 8 5 /-11 4 -1 /-13 3 1 1 -14/-15 7 -10/-17 6 - C/ -21 2 -^2/-<u>23</u> Element (X) Mean No. of Hours with Temperature USAFETAC Rel. Hum. 1 0 F 1 32 F ≥ 67 F = 73 F Dry Bulb Wat Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIF WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY FEB 73-81 YEARS STATION 0600-0600 HOURS IL. S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Poin -2'/-25 2 /-27 -? /-29 745 745 14.536.930.211.1 5.0 1.7 747 TOTAL 745 C C 0.26-5 06s. 745 Element (X) USAFETAC 68.014.589 3601747 50649 Rel. Hum. 1 32 F 70 • 7 10F # 67 F # 73 F * 80 F * 93 F Tetal 22.311.778 4.5 475273 16665 747 Dry Bulb 17.510.304 745 362799 14541 4.7 79.8 84 Wet Bulb 200988 9434 8.5 83.3 84 Dew Paint

GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC NATRONA CO/CASPER WY 725693 STATION FEB 73-81 PAGE 1 0900-1100 HOURS (L. S. T.) Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Pain 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | *31 / 57 . 1 5: / 55 ~4/ 53 12/ 51 5 / 49 . 4 • 1 . 1 5 4 / 47 4-/ 45 11 11 44/ 43 . 9 42/ 41 . 7 .9 1.2 31 31 .5 1.7 1.3 4 / 30 41 41 3 / 37 .1 1.3 2.2 2.3 23 - 1 49 49 * / 35 .1 4.2 3.2 2.2 75 75 25 3: / 33 . 5 2.6 4.0 60 60 45 . 8 . 1 8 1.2 3.0 3.9 72/ 31 77 65 65i 10 36/ 29 .9 3.6 2.7 61 61 97 19 2 - / 27 1.1 3.4 1.7 46 46 80 36 .1 2.2 3.6 ₹5 2.1 76 45 45 49 24/ 23 .1 1.7 1.7 27 27 69 40 .1 1.7 1.7 2/ 21 27 27 45 53 20/ 19 1 2.6 • 5 • 3 87 24 29 24 1:/ 17 15 16 24 78 . 7 11/ 15 3.4 . 1 31 31 23 70 14/ 13 2.0 26 18 18 60 2.3 17 17 17 10/ . 9 12 12 20 37 39 9 . 9 5 8 1 8 20 (OLA) 4 3 10 6 1/ 1 . 4 7 15 0.26-5 -3 6 -4/ -5 -6/ -7 7 -c/ -9 Element (X) Mean No. of Hours with Temperatu Rel. Hum. ≥ 67 F > 73 F > 80 F Dry Bulb Wet Builb Dow Paint

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIM MEATHER SERVICE/MAC 725691 NATRONA CO/CASPER WY 73-81 FEB STATION 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point .3 .1 10/-11 3 -1 /-13 -14/-15 -1:/-17 -1 /-19 3 -2-/-25 -2-1-27 707AL 6.526.127.820.6 9.0 6.5 2.4 .5 .3 744 746 744 744 2 x 45469 No. 06s. 744 61.115.467 Element (X) 2956539 10 F 132 F 2.7 49.4 ±47 F = 73 F = 80 F = 93 F Rel. Hum. 28.211.903 24.0 9.702 697995 21723 746 84 Dry Bylb 498292 17852 744 72.0 3.0 84 Wat Bulb 15.6 9.624 82.9 248992 11578 744 84 Dew Point 5.3

₹

0.26-5 (OL

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AI: WEATHER SERVICE/MAC

725690 NATRONA CO/CASPER WY
STATION STATION NAME

PAGE 1 12200-1400
PAGE 1 12200-1400

							_														L. S. T.I
Temp.								TEMPER										TOTAL		TOTAL	T=
(F)	0	1 - 2	3 - 4	5 - 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	-		23 - 24 2	5 - 26	27 - 28	29 - 30	s 31	D.5.7 W.S.	Dry Bulb	Wet Buib	Dew Point
12/ 61							:		ł		• 4		i	1	-			3	3	1	i
6 / 59		<u> </u>	i				-	ļ			. 3	\downarrow						2	2		İ
5 / 57					i ,			. 4		-1								4	4		;
5 / 55							• 1	. 4	. 5	• 3		1	— ∔					13			·
64/ 53			1				• 1	• 5		i	1			į	į			6	_		!
52/ 51						• 1	. 7			. 1	-	ļi	$-\!$					10		• — —	
5 / 49					• 1				!			i	1	İ				13		:	
4-/ 47					. 4		1.2		. 3		<u> </u>	1						28	+		L
41/ 45			• 3			1.1					!			1	1	,		34			
44/ 43			. 3		1.5	1.5	1.5					ii						45			
42/ 41				2.1		1.6		ļ ,		ţ	!		ļ	ļ	ļ			52	52	16	!
40/ 39			• 3	2.8	3.1 2.1	1.1	. 1		i 		1							55			
3:/ 37			2.8	4.0	2.1	. 4				•	ł	1		- 1	i			70	70	32	i
34 / 35	. 1	. 4	1.7	2.5	3.2	• 1						1						61	61	63	6
3. / 33										i]	Ţ · · ·						47	47	95	4
72/ 31	. 3	1.1	2.7	3.2	• 3					i		1 1						56	56	105	20
30/ 29	. 3	.7	2.3	2.9														46	46	62	29
2// 27		1.1	3.2	. 4							ł							35	35	74	65
21/ 25		1.3	2.7															26	26	59	
2. / 23		. 8	. 5												!			10	10	53	39
2/ 21		1.2	.9							i			i					16	16	18	
TC/ 19		3.7	1.6		j							1 1		- 1	ĺ			40	40	19	87
1:/ 17		1.2	. 5															13	13	38	84
14/ 15	i	2.3	. 4		- 1	1						1						20	20	15	83
1-/ 13	. 3	1.1										1						12			
17/ 11		. 7	. 1					'			1	1	1	1	į	1		6	6	9	i .
1 / 9		• 5												$\neg \uparrow$				4	4	8	
1 7	i	. 8												ļ				6	6	3	
1/ 5		.8																6	6	8	
-/ 3		. 3																2	2	5	
/ 1	.1	.5										1			$\overline{}$			5	5		<u> </u>
/ -1	- 7	. 3	i				i					1 1	1	- 1	1			5	2		•
- / -3		. 4	-					-				 		_				7	3	4	
-4/ -5		. 3			1	ļ						1		1	}			2	2		
Element (X)		Zy'			ž X		Ī	•	╙┯╨	No. Ol					Mann M.	- 4 14		h Tempere			
Rel. Hum.		<u>- x</u>		<u>_</u>		+			\dashv			2 0 F		2 F	* 67		73 F	- 80 F	+ 93 I		Tetal
Dry Bulb						+			$\neg \vdash$					- 		+-	·•·	+ 	+		
Wer Bulb						\dashv			-				+-	-		+			+		
Dow Point						-			-+							+			+	-	
																		<u></u>			

GLUBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY 73-81 FEB 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 --/ -7 2 1 --/ -9 /-11 1 /-13 -1-/-17 1 7-21 752 751 TOTAL 1.127.221.223.614.5 6.9 6.4 3.9 1.1 .5 751 751 Element (X) No. Obs. 2 x 41544 Mean No. of Hours with Temperature 2493850 55.316.154 751 Rel. Hum. 1 32 F 2 G F 33.411.693 27.6 8.895 17.7 8.651 941798 25120 84 752 Dry Bulb 633047 20757 57.0 84 Wat Builb 751 1.3 13324 Dow Point 292516 3.4 82.9 84

0-26-5 (OL

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIN MEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** FEB

725690 NATRONA CO/CASPER WY
STATION STATION NAME

PAGE 1 1500-1700

																HOURS IL.	5. Y.)
Temp.						EMPERA								TOTAL		TOTAL	
(F)	0 1 2 3	4 5-6	7 - 8 9	- 10 1	11 - 12	13 - 14 1	5 - 16	17 - 16	19 - 20	21 - 27 2	3 - 24 25 -	26 27 - 28 2	9 - 30 = 31	0.8./W.8.	Dry Bulb 1	fer Bulb D	w Point
44/ 63			1					}		• 1			1	1	1		
62/ 61	المراطوس المراطون المراجي								. 3					<u>, 2</u> ;	Ζ.		
4. / 59									• 3	i	1		1-	2	2		
· / 57						• 3		. 3						4	4		
5 / 55						. 4	!	1.1		'	i	1 1		11	11		
54/ 53					• 1	• 5	. 3							7	7		
° 2/ 51				1	1.1	• 5	• 1	- 1	1		1	1		14	14		
51./ 49				• 5		1.1	. 3					_i		17	17		
4 / 47			• 7		• 7	• 7	. 3					1		25	25		
4. / 45			1.1		• 5	.4			+					30	30		
-4/ 43			2.4	- :	. 8		1	į				1	,	44	44	4	
12/41		.5 2.5			• 5									56	56	11:	
40/ 37	_	.4 2.3			• 1		1	,		į		1		5.3	54	34	
3 / 37		.3 3.6		. 8		i								73	73	46	
7:/ 35		.3 2.9			1		:	1						56	56	68	3
3 / 33		.1 3.6	• 3	+-										42	42	87	7
2/ 31	.3 1.3 2		- 8	,	j		1					:		58	58	85	10
7 / 29		6 1.7	• 1	i										47	47	81	37
2 / 27	1.6 2				į				,		i			35.	36	65	72
	.5 2				+			+						26	26;	63	51
24/ 23	7, 1			;		1		- :	1		1	1		19	19	47	42
·2/ 21 · / 19	1.1	• 8			 →				+				i	14	14	22.	60
1 / 17	4.0	.8				i		ł	1	i		į		36	36	27	94
1./ 15	1.3	.5			+				+					13	13	32	80
18/ 13	.1 1.2	-1		1	i	i i	1	l	Į	7	ļ	1	ļ.	13	11. 13		63 60
1 / 11	.5	•1										-		5	5	14	50
1 / 9		••	1	i	1	- 1	i	1	1	- 1	1		!	7	7:		41
1 7	.1 .5								+			+		5	5	10	21
, 5	1 1		1	į	1	Ì		1	Ì	i			1	3	2	5	10
1./ 3					+	+			+					6	6	4	8
/ 1:	• 5	1			1	1	ļ		Í		!		ļ		C	4	6
1 -1	.3 .7		+-			+								+		6	7
- / -3	1,		:	1		į		-	i	1		i	1	11	1	5	6
Element (X)	2 2 7		<u> </u>		Z		- J	No. Ob				Meen No	of Hours w	ith Temperate			
Rel. Hum.				+			-			: 0 F	± 32 F			• 60 F	≥ 93 F	T.	to i
Dry Bulb				+							1	+	+	+		+	<u> </u>
Wer Bulb				+			+				+				-		
Dow Paint				+									+		 	+	
				<u></u>											4		

GLCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIF MEATHER SERVICE/MAC 175690 NATRONA CO/CASPER WY FEB ... 73-81 1500-1700 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL : TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) 5 2 -1/ -5 1 - / -9 /-11 -1 /-13 -1-/-15 1 /-21 72/-23 750. 747 TOTAL 1.218.722.521.815.5 9.0 4.3 3.9 .9 1.5 747 747 į 2x' 2467024 No. Obs. 7 55.116.336 Mean No. of Hours with Temperature ²x 41160 Element (X) Rel. Hum. s 32 F ≥ 67 F > 73 F - 80 F ≥ 93 F 34.9 84 33.611.765 Dry Bulb 951887 25222 750 1.0 637578 27806 27.9 8.823 747 1.3 55.9 84 Wet Bulb 293297 17.8 8.656 82.9 84 13317 747 3.6 Dew Point

ã

£

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI "EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7-2569" VATRONA CO/CASPER NY 73-81 FEB MONTH
STATION NAME PAGE 1 1800-2000 HOURS ILL S. T. I

															Tanana I		HOURS	
Temp.			WET	BULB	TEMPE	RATURE	DEPRE	SSION (F)						TOTAL		TOTAL	0. 0.
(F) +	0 1 - 2 3 - 4	5 - 6 7 - 8	9 - 10						21 - 22	23 - 24	25 - 26	27 - 24	29 - 30	231	-	Dry Bulb	Wet Builb	Dew Pol
4/ 53			٠.	• 1		_	. 1					1		[3	3		
2/ 51				• 1		1					ļ				<u> </u>		+	
517 49					• 1	1		!						1	2	2		
- / 47			• 5	. 1		<u>.</u>								<u> </u>	6	6		
4 / 45		• 9	. 3	• 3		;	1	1			['			i	11!	11		
4/ 43	3	3 .1 .8	8	. 1	1	· 	1				<u> </u>			L	17	17	·	<u> </u>
-2/ 41		1.1 1.3	. 7	• 3							i :			!	25	25	- 2	
40/ 3+	.1 .4	1.7 1.2	• 9	. 3			<u>i</u>	! 			<u>. </u>			<u> </u>	3.5	35	3	
3 / 37	2.9	2.3 .8	• 3				1	!				,		-	47	47	18	
7: / 35:	. 4 4 . 7	7 1.2 1.9	. 5		1		i	!						· 	6.5	65	27	
3 - / 33	.7 3.7	7 2.9 1.1	1		!									;	63	63	6.3	7
2/ 31	1.3 3.5	3 . 2			J	1	1	į .						į	60	60	75	1
75/ 29	.8 1.6 3.6					-									5.8	58	71	
2 / 27	.8 2.5 4.9		:			į	1	!						:	73	74	8 3	6
/ 25	1.7 2.3					+ -					-			+	31	31		
2-/ 23	1.5.1.5					1		J ;			1			1	22	22		_
2/ 21	3.1 1.9					+	 	,							37	37		
/ 19	.4 3.7 1.2		1			ĺ			i			,		1	40	40		
1 / 17	.8 1.9	·			 -	 					 	· †			20	20	+	
1 / 15	.7 2.9					1	i	١ .				;		!	27	27		_
14/13	.4 1.9		+		·	 	 				•	 +		+	17	17		+
1 / 11	3 2.0						: 1	i							17	17		_
1 / 2	1 1.3	*				 	+					· · · · ·		+	13	13		
-/ 7	.1 .8	•) (1	7	7		
	.1 .3		•		+	<u> </u>					+			+	+ 3		- 4	
1 3	.5 .3						1							1				i
/ 1	.7 1.3					+	+							 -	15	15	11	
/ -1	.4 .4											i			6.	- 6		
- / -3	3 1.1	+	·-·			+	+	·						+	10	10		<u> </u>
/ -5									İ		:	i		1	6		6	
- / -7	-3 -5 -	·					+					L -		 -	2	2		
	* -													!	2			
/ -9	• 3	+				+	+	 -				├		├ ──	 		<u> </u>	
/-11	• 1				'				1			į		1	1 1	1		
1 /-13						-			لمصيا			<u></u>			<u> </u>		<u> </u>	
Element (X)	2,	2 4	-+-	1	• •		No. 01	••-							A Temperat			•
Rel. Hum.					•				101	<u>'</u> '	32 F	2 67	<u>- </u>	73 F	- 80 F	+ 93		Tetel
Dry Builb		 																
Was Buib		<u> </u>													 		\rightarrow	
Dow Paint		1	,			•				- 1		1			1	1	í	

C 101 0-26-5 (OLA)

USAFETAC POR

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC FEB 725697 NATRONA CO/CASPER MY 73-81 STATION 1800-2000 PAGE 2 HOURS IL. S. T.I Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231 D.B./W.B. Dry Bulb Wei Bulb Dew Point -1 -/-15 -16/-17 -1 /-19 0/-21 TOTAL 7.331.431.115.6 8.3 4.0 1.3 .5 75C 749 749 749 4 0-26-5 (OL No. Obs. 749 Element (X) 48854 3356260 2 32 F ±67 F = 73 F = 80 F = 93 F Rel. Hum. 10F 3.0 53.1 653817 20335 27.111.696 750 Dry Bulb 749 484592 17588 23.5 9.783 3.6 84

749

83.7

12086

16.1 9.653

264728

84

Dow Point

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AID MEATHER SERVICE/MAC 72569" NATRONA CO/CASPER MY 73-81 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Peint WET BULB TEMPERATURE DEPRESSION (F) (F) 5 / 47 • 3 2 4.1 47 44/ 43 8 8 42/ 41 4 / 39 .9 1.5 . 8 • 9 33 33 • 5 3 / 37 1.5 1.1 . 4 27 27. 3: / 35 .8 3.3 1.9 . 8 54 54 20, 34/ 33 -2/ 31 .4 1.6 2.3 3.3 1.2 66 66 1.7 4.3 2.5 11 66 66 65 3 / 29 .4, 4.1 1.5 50 50 20 55 2 / 27 .5 1.7 4.0 1.1 55 55 81 43 1 / 25 .7 3.2 3.1 57 50 57 86 2-1 23 .5 2.9 1.1 . 1 35 35 38 67 2/ 21 .3 2.4 1.7 45 1 19 .7 4.5 1.5 50 50 31 85 .9 1.9 .4 1 / 17 24 24 53 88 .8 2.7 1 / 15 21 21 29 57 / 13 1.1 1.1 16 16 20 11 .4 2.5 22 57 22 12 .5 1.5 .3 1.7 25 17 35 15 16 • 5 9 9 8 24 22 .7 1.5 16 16 . 5 -1 11 18 11 9 --/ -5 2 8 -01 -7 8 6 6 - · /-<u>11</u> 7 -12/-13 5 -14/-15 -10/-17 6 Element (X) X No. Obs. Mean No. of Hours with Temperature Dry Bulb Wet Bulb Dew Point

GLCBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATP WEATHER SERVICE/MAC 725693 NATRONA CO/CASPER WY 73-81 FEB STATION 2100-2300 HOURS (L. S. T.) PAGE ? Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 e 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point 1-21 2/-23 TOTAL 13.134.528.514.7 5.7 2.7 .8 748 748 € ವೈ 50869 3619521 X * * 4 6 3 9 No. 061. 748 Element (X) Mean No. of Hours with Temperatu Rel. Hum. 10 F ≤ 32 F → 93 F 24.611.985 21.610.354 14.910.334 559928 18400 748 4.2 59.7 84 Dry Bulb 5.3 75.4 428348 16143 748 Wet Bulb 84 244852 748 Dew Point 11112 83.3 84

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR MEATHER SERVICE/MAC 77569 NATRONA CO/CASPER MY PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B. W.S. Dry Bulb Wet Bulb Dew Pein 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 14/ 63 2/ 61 1 / 59 . 1 / 57 5 / 55 . 1 . 1 . 2 23 4/ 53 18 2/ 51 . 0 • 3 . 1 . 1 31 31 1 49 . 11 4 / 47 . 3 69 69 • 3 4-/ 45 87 87 .4/ 43 . 1 . 3 • 3 144 144 11 .5 1.1 234 283 12/ 41 234 • 0 4 / . 8 285 1.7 1.5 37 1.6 2.0 322 322 148 .5 2.5 2.0 1.5 74/ 35 404 404 228 34/ 33 .8 1.9 3.0 409 410 429 40 . 1 72/ 31 .2 1.2 3.5 3.0 505 505 519 94 7 / 29 .5 1.4 3.8 2.0 .5 1.7 4.1 1.2 500 465 465 166 2. / 27 452 621 449 344 7. / 25 .3 1.7 3.4 342 342 638 377 .2 1.8 1.8 2:1 23 233 233 505 286 . 1 2/ 21 .3 2.3 1.7 256 256 360 411 3.7 1.2 19 320 320 292 620 .5 1.9 172 173 615 2.7 15 208 208 199 591 1.7 . 6 . 2 13 .7 1.9 472 162 162 213 1. / 11 .4 1.7 125 125 135 425 • 1 1.4 115 162 352 - 1 115 91 285 1.1 91 94 • 7 71 71 129 . 6 139 . 8 80 65 65 65 38 38 No. Obs. Mean No. of Hours with Rel. Hum. 1 0 F 1 32 F Dry Bulb

0-26-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATR WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER MY 73-81 FEB STATION PAGE 2 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Tymp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 32 --/ -5 . 3 35 27 60 -1/ -7 25 -11 -9 30 30 32 33 /-11 .1 24 24 54 -1 /-13 10 10 25 -1-/-15 36 -1 /-17 30 /-19 /-21 20 2/-23 -2 /-25 -21/-27 9.929.227.516.8 8.3 4.3 2.1 1.1 .3 5988 5979 5979 TOTAL X *A 63.716.233 Element (X) No. Obs. Mean No. of Hours with Temperature 381048 25859780 5979 Rel. Hum. 26.5 437.8 30.5 568.1 +47 F + 73 F = 80 F = 93 F Tatal 26.812.611 23.010.349 USAFET/ 160689 5988 5264337 672 Dry Bulb 3871263 137477 3979 Wet Bulb 672 90618 1973628 15.210.020 5979 50.0 665.9 672 Dew Paint

₫

S (OL.A) service revicus terricos or this roam aut outoutte

GLOB	AL	CLIM	TOLOGY	BRANCH
USAF	ETA	I C		
ATE	JE A	THED	SEDUTCE	FIMAC

PSYCHROMETRIC SUMMARY

72569 NATRONA CO/CASPER MY 73-81
STATION STATION NAME

PAGE 1 0000-0200 HOURS (L, S, T, 1)

Temp.						WET	BULE	TEM	PERA	TURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8									23 - 24	4 25 - 26	27 - 28	29 - 30	• 31	D.B./W.B.	Dry Bulb		Dew Po
52/ 51						• 1		1											2	3		+
5 / 49	!				.1				:										. 4	4		
4-/ 47					• 1	2									1	,			4	4		+
41 / 45				• 5				= 1								1			14	14		
44/ 43	•			. 2	1.5										+-				18			+
42/ 41			. 1	1.5			,	-:			! !					!			17	17	4	
4 / 30		• 1	1.5	1.6	1.1	. 6	,	1							1	 			40		8	
3// 37				1.6				1			!					! ;			48	48	15	
30/ 35			1.8					-				-		•	 	1	-		49	49	52	
3. / 33	. 2			2.1			1	İ				í	:		1.	1	i		71	• •	59	
2/ 31		6.4		2.3			1	- -			-				+				109			
1 29			-	1.0			1		1						1 .	l i			84	84	118	
2:1 27			1.7				+	+							 				62		82	
/ 25	-	-	1.8			' 	1	;		1			ĺ		1	1 1	j		58	58	96	
2-/ 23		3.8	.6				+	-	+							 			41		71	5
2/ 21			1.6				!		i		!				1				46	46	52	
1 19		4.5	1.1					+ ·	+						 	ļ- -			51	52	51	10
1-/ 17		2.8	.1			i			1				1		:		-		26	26	39	
1:/ 15	•1	1.3	•••				 	+	-+						 	 			12	12	27	
14/ 13	. 5	. 4		- 1			1	1	- :			1	i		1	! :			7	7		
1./ 11	.4	. 2					 	+	+						+				5	5	12	3
1 / 9	.5	. 9		1			ļ	1					!		Ì	İ	1		11	11	11	
(1)	- 6	. 4					+	+-	-+				+		 				8	8	8	
√ 5	. 2	4		i				i	- i								ì		5	5	5	
4/ 3	. 4	. 6						+							+	+			8	8	9	
/ 1	. 5	• •		i				ì	1						i i	i i	!		-	9	5	
/ -1	1.1		+				+	+-	\rightarrow						┼	 			-	9	9	
- / -3	2	أور		- 1			i	ĺ					ì		1 1		1		7	7	7	
-4/ -5	• 4	• 1						+	-+						+				 	3		
/ - 7	i	I	1	į			į		- i				-		1		- 1					
- / -9	+			+			 	+	+						+	 						
	17.4	ام و	22.1		7.1	9.0	1						1		j [-					
1/1 FL	• • •	76.0	44.1	140/	/ o 1	401	1.0	4	-+	-									-	818	911	81
i	i			'		!	1		i										816	<u>'</u>	816	
Element (X)		1 m e			t x	\top	' I	+	*	\top	No. Ob	•. T				Mean M	o, of He	wit wid	h Temperer	lure		
Rel. Hum.		<u></u> _	5619		582	31	71.	115		2		16	101		s 32 F	= 67		73 F	= 80 F	+ 93 /	: T	Total
Dry Bulb			3738		232		28.					18			62.5		` -	 -	† <u> </u>	+	+-	9
Wet Bulb			8863		207		25.					16			77.3				 	+		9
Dew Paint			9626		159		19.					16		. 0	92.5				 	+		-

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

0.26.5

12

USAFETAC

PSYCHROMETRIC SUMMARY

725690 NATRONA CO/CASPER MY 73-81 STATION STATION MALE PAGE 1 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 4:/ 47 4. / 45 11 17 4/ 43 . 2 1.1 17 .2 1.3 12/ 41 . 1 20 20 1.3 1.9 39 . 2 35 35 34/ 37 .1 2.8 1.0 . 8 43 43 1.1, 2.5 2.2 ./ 35 . 6 55 55 48 2 31/ 33 .5 1.3 2.8 1.9 58 58 56 31 .2 4.7 4.5 2.2 99 44 64 2.8 4.7 2.5 1.0 .7 5.0 2.3 .4 1 29 93 9.3 106 30 27 69 69 176 103 1 / 25 .2: 4.1: 1.0: 44 98 60 .4 3.3 1.1 2 / 23 39 39 57 56 2/ 21 1.2 3.8 53 44 71 1.8 5.6 2.1 78 19 78 59 117 / 17 .5 2.5 30 30 48 57 15 1.7 18 32 18 58 1./ 13 .4 1.0 11 11 15 50 1 / 11 . 2 • 5 24 41 9 7 39 8 . 5 24 8 A . 8 5 13 . 6 12 12 11 1.3 11 11 14 12 6 16 15 2 / -3 -5 -11 -7 -9 -1 7-13 TOTAL 13.841.324.312.5 5.7 1.9 824 824 824 Mean No. of Hours with Temperature Element (X) No. Obs. 4506731 59639 72.415.203 824 ±67 F → 73 F → 80 F ± 32 € Rel. Hum. • 93 F 22536 27.3 9.552 65.8 691432 824 93 Dry Bulb 553787 24.6 8.168 79.6 20275 824 .9 93 Wet Bulb 355599 15655 19.0 8.407 824 92.2 93 Dew Point 3.2

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AI' WEATHER SERVICE/HAC 72569 NATRONA CO/CASPER MY MAR 73-81 060G-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 0.8 /W.S. Dry Bulb Wet Bulb Dew Poin 51/ 55 • 1 4/ 53 5 / 49 . 1 4. / 47 4: / 45 . 6 .1 10 14/ 43 . 5 . 5 13 .7 1.6 ·2/ 41 . 2 30 30 4 / 39 .6 2.1 1.5 42 42 3.1 37 .4 1.9 1.7 . 7 42 42 7 / 35 1.1 2.3 2.8 30 61 61 3-/ 33 -1 1-7 1-2 2-1 • 5 46 58 10 2/ 31 .2 4.6 3.8 2.6 96 96 67 26 105 7 / 29 2.6 5.5 3.3 98 98 • 5 • 1 44 24/ 27 .6 4.3 2.1 61 61 25 1.2 5.1 2.7 24/ 23 .5 2.3 1.1 33 60 60 33 2/ 21 1.2 2.7 1.9 48 48 56 78 1 / 19 .7 3.9 1.1 47 47 47 14/ 17 37 59 .6 1.7 • 5 23 23 16/ 15 .5 1.6 4.7 10 14/ 13 .2 1.0 10 .6 12/ 11 42 6 . 4 - 6 8 25 1 7 8 8 7 . 4 6 24 61 5 .5 10 1.3 . 2 10 13 13 13 .1 1 . 4 5 18 -3 4 6 -4/ -5 5 +7 -=/ -9 -1 /-11 1 -14/-15 Element (X) Mean No. of Hours with Temperature Rei. Hum. -47 F -73 F -40 F 20 # 2 32 F + 93 F Dry Bulb Wet Bulb Dow Point

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATH MEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY 73-81 MAR YEARS STATION MONTH PAGE 2 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 0 1 · 2 3 · 4 5 · 6 7 · 8 9 · 10 11 · 12 13 · 14 15 · 16 17 · 18 19 · 20 21 · 22 23 · 24 25 26 27 · 28 29 · 30 = 31 17 · 6 7 38 · 9 2 3 · 6 15 · 0 6 · 5 2 · 2 1 · 1 · 1 D.B./W.B. Dry Bulb Wet Bulb Dew Point CTAL 821 821 821 821 58227 70.915.804 28.1 9.708 25.1 8.199 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Num. 4334375 821 0 F ± 32 F 1 • 0 6 4 • 0 1 • 0 78 • 6 = 67 F = 73 F = 80 F = 93 F 10 F 1.0 727175 23099 821 Dry Bulb 20646 821 93 574310 Wet Bulb 361257 15765 19.2 8.449 821 2.8 91.0 93 Dow Point

BEYSED PREVIOUS EQUICANS OF THIS FORM ARE

0-26-5 (OL A)

2 Z

GLOBAL CLIMATOLOGY BRANCH JSAFETAC AI° JEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725697 STATION NATRONA CO/CASPER WY 73-81 0900-1100 HOURS (L. S. T.) PAGE 1

Temp.						WET	BULB 1	EMPE	RATUR	E DEP	RES	SION (F)			_					TOTAL		TOTAL		
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8									23 . 2	25 -	26	27 - 2	8 29	30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew f	Point
6.1 67			·						1			. 2				\neg			1		2	2		-	_
. 6/ 65						í			ţ	١.	. 1	• -		1	ļ	-		1			1	1			
4/ 63											. 1			1	1			-			2	2		+	
./ 61	Ļ				,						. 1			i	1	- }					2	2			
/ 59										2				1				1			2	2		+	
c / 57						i		2			. 1			1		ļ		-	i		4	4	1		ļ
5 / 55						. 1	• 5	• 5	,	1	-			+	1						12	12			
4/ 53						. 5	• 6			4	1			!	-	í		İ	i		13	13	!		
2/ 51					• 2	1.1					1				!	i					23	23		:	
5 / 49				. 1	. 4	1.2	. 9	1.1	li •	1	1			1	1	i			1		31	31	1		
4 / 47				. 2	1.0						7			1	-	7					39		. 3	J	
4 / 45				• 2	• 6	2.8	1.1	. 4	١.	1	1			1	!			Ĺ			42	42	5	j	!
-4/ 43			. 4	. 9	2.6	1 . 3	• 7		,	,	7								T		48	48	20	}	
42/ 41			• 5	2.1	2.8	2.2	. 4		1	1	1				i.	i		. 1			65	65	28	ا	
4 / 30			.7	1.8	2.1	1.3			7	,	-										49	49	36)	
3// 37	- 1	. 5	1 . 1,	2.2	2.2	. 5			İ	i					1	_ [Ĺ			54	54			3
7 / 35		1.6	2.1	1.8	1.3	. 1			1	1				1	;						57	57	86	1	8
31/ 33		2.7	1.9	1.8		. 4			1		i_			į	i				. i.		59	59	96		15
2/ 31	• 1	4.1	2.6	2.6						-				Ţ	7						81	81	97	d .	47
3 / 29		2.3				1			l						1	_ }		1			52	52			68
2 / 27	-1	3.8			. 4	1					T				1		_				58	58			77
: / 25		2.3	1.2	• 2					<u> </u>					<u>i </u>	<u> </u>			1			31	31			65
2 / 23	i	1.8	. 6								- 1					j		i			20	50			74
2/ 21		1.7						L	<u> </u>					<u> </u>	<u> </u>						16	16			94
: / 19	• 1	,	• Z								l			I	1	- !		į	1		9	9			97
1./17	!	. 4	. 4		· .				<u> </u>	· 						_					6	6	4		76
1c/ 15	l	. 7			1		1		(!	- 1			1	ì	- 1		i			6	6	5		53
1. / 13		1.1							ļ	ــــــــــــــــــــــــــــــــــــــ	\perp				<u>i</u>	_					9	9	10		49
1 / 11	1	. 5							1		1			1	i	- 1					4	4	8		16
1 / 9		. 4							L		_			<u> </u>		_		4			3	3	5		20
. / 7	• 1	1.1		,		į	: !				Ì	i			:	- [j		10	10	:	1	6
-/ 5		.6				·					_			<u> </u>		_					5	5		4	15
/ 3		٠2	,		: :	i			-					1	:	- 1		1	- 1		2	2	. 3	i.	9
./ 1		<u>• 2</u>							<u> </u>	1	i_	لا			1	نـــنـ					3	3	3	Щ	18
Element (X)		Z _X '			ž X		<u> </u>	•,	•	No.	060	• 1									Tempere				
Rel. Hum-													= 0	-	2 32 1	_	* 4	17 F	. 7	3 F	- 80 F	• 93	F	Tetal	
Dry Bulb						-										_					-	-			
Wet Bulb						-								_		_						+			
Dow Point						1			1_					L			L		L		1		L_		

GLOBAL CLIMATCLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AT . MEATHER SERVICE/MAC 72569 NATRONA CO/CASPER MY 73-81 PAGE 2 0900-1100 TOTAL TOTAL (F) D.B./W.S. Dry Bulb Wer Bulb Dew Poin / -1 - / -3 -// -5 1 3 4 -:/ -7 -:/ -9 1 TAL 1.326.816.415.614.613.0 6.7 3.7 1.1 821 821 821 821 No. 06s. 8 2 1 Element (X) Mean No. of Hours with Temperature 47578 58.018.643 3342198 ≤ 32 F ≥ 67 F 35.710.851 35.8 93 1145360 29344 821 Dry Bulb .1 791676 24646 30.0 7.949 821 55.7 93 • 2 Wet Bulb 20.9 7.853 478525 90.1 93 17143 821 Dew Peint 1.2

0.26-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI- WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569 NATRONA CO/CASPER WY
STATION HAME 73-81 PAGE 1

1200-1400 HOURS (L. S. T.)

												_									
Temp.								RATURE					т					TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20		23 - 2	4 25 - 2	6 27 .	28 29	- 30	* 31	U.B./ W.B.	Dry Bulb	Wer Bulb	Dew Poir
/ 71								1		;	- 1		1			!		1	1		
1 69		.							. 1		. 4		<u> </u>	<u> </u>	-+-			5	5		
6 / 67										• 2				i	1			2	. 2		
6/ 65								·	1					+	-∔-			1	1		
-4/ 63								• 2		.6			1	i				7	7		
1./ 61					<u> </u>		• 1											4	4		
/ 59								. 1.7		• 1				1			-	19	19		
5 / 57				·	·	. 4			1.0							-		25	26	·	
5:/ 55						1.2	1.1	1.3	. 6	!				1				35	35		
4/ 53					• 5	1.1	2.2	1.8	. 2									4.8	48		
2/ 51				• 2	1.0	1.7	1.6	1.0						i				45	45	1	
5 / 49				5		2.3									i	1		39	39	. 5,	
4 / 47			• 2	• 7	2.1	2.0	1.2	• 1						· -				52	52	7	
4 / 45			. 6	1.7	1.8	1.8	• 5	d										53	5.3	16	
-4/ 43		. 4	. 9	2.7	2.3	1.2	.1			•			-	1				56	56		
2/ 41	. 1	. 9	. 7	2.2	1.6	. 4	1			•			1	1			1	48	49	4.8	
4 / 39	• 2	. 7	1.7	2.3	1.2	,												51	51	84	1
3 / 37	• 2	1.2	2.6	2.6	• 7	. 4		(ĺ		i	Í				63			4
: / 35		1.5	1.8										+	+				56			12
3: / 33	2.3	1.6	1.2	. 7		- '							1	i				.49			19
2/ 31	.4 1.2							+					+	+		-+-		38			41
7 / 29	.2 1.3	-	. 4			:		1					1	1	1	i		25	25		67
2 / 27	1.6	+	• 1					1						+		-	+	20			79
~ / 25	1.5		. 1		l			:			1			1			1	17			76
2-/ 23	• 7		• 1			•		!						+	+-	-+		10	10		59
2/ 21	. 7		. 1		١ .	!								j	j	1	j	10			83
1/19	• 6				-			 i						+	-			6	6		107
1 / 17	.5			1	١ .	i		i.			i		i	i			3	7	7		
1 / 15	.7		·					 					+	+	+	-+-	+			·	68 59
1 / 13	, .							į į			1				i		1	6		6	
1 / 11	• 6	- 1						 			+		+	+	+-	-+-	-+	6 2	3	7	39 33
									į	1	1		1	1	i				_		
	1.0	├ ──+						\vdash		\vdash				+			\rightarrow	8	8		26
	• /					!]		! :			1							6	6	5	11
/ 5					نـــــــــــــــــــــــــــــــــــــ	<u> </u>	لب	4		<u> </u>			4	<u> </u>	4_	1	لم			6.	6
Element (X)	Σχ'			Z X		X	" *		No. Ob									Temperat			
Rel. Hum.											= 0 !		≤ 32 F	*	67 F	e 71	F	≥ 80 F	* 93	F 1	Teta i
Dry Bulb												\rightarrow		—		<u> </u>					
Wet Bulb												_				L					
Dew Point		1			1			t		1		t		1		1			1	l l	

USAFETAC

GLCBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** A TO MEATHER SERVICE/MAC NATRONA CO/CASPER MY 725690 73-81 1200-1400 HOURS (L. S. F.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 e 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 13 6 9 / -3 - / -5 1 TAL .615.511.611.714.912.612.4 9.3 7.7 2.2 1.1 820 820 820 39841 X 48.619.519 No. Obs. 8 20 Mean No. of Hours with Temperature 2247759 Rel. Hum. ± 0 F s 32 F ≥ 67 F ≥ 73 F 41.311.626 33.1 7.744 21.1 7.695 1512582 33962 823 18.3 93 Dry Bulb 39.7 948742 27157 820 93 Wet Bulb 414931 88.9 17313 820

0-26-5 (OLA) REVIUE MEVIOUS EDITIONS OF TIMS FOUN ARE OSSOLET

JSAFETAC 10844

SLIGAL CLIMATOLOGY BRANCH USAFETAC AIN MEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569 NATRONA CO/CASPER MY

PAGE 1 1500-1700 HOLHS (L. S. T.)

Temp.			WET	BULB T	EMPER	RATURE	DEPRE	SSION (F)					TOTAL	1	TOTAL	
(F)	0 1-2 3-4	5 - 6 7 - 6	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	- 24 25 - 2	6 27 - 28	29 - 30	- 31	D.B./W.S.	Dry Bulb	Wet Bulb	Dew Po
. / 71	#						1		• 1	• 1			1	. 2	2		
1 69			,				:		• 2	-		į	1	. 2	2		
5-1 67		• • • • • • • • • • • • • • • • • • • •		•			. 1		. 2		,		•	1	3		
4/ 63					. 1		. 6				1			- 11	11		
/ 6i					.1	• 6	. 8					1	+	13			
/ 59			• 1	. 1	_	1.7				}		ì		22			
/ 57	*********			. 4	• 5		1.0		:	1		+	!	19			
5 / 55				• 2	1.3	1 . 4	8	- 1		- 1				3.3	33		
4/ 53		*	. 4	1.3	1.3	1.8	6							4.5	45		
-27 51				1.8			,			1		:		47	47	. 2	
5 / 49	*			2.8				,				:		56		3	
4 / 47		.1.1.	0. 2 . 8	3.9	1.0	. 2	G.	1	,			:	1	. 74	74	7	
4 / 45		.4 1.		1.4					·		-	:	!	40		18	
-47 43	•1 •6	1.3 1.				1								61		36	
2/ 41	•5			. 5					·		+			50			
4 / 37	.7 .6	1.6 3.	6 1.6	• 1	. 4	i	1			i !	į	;		71	71	80	
3 / 37			5 1.2	. 1			!				1			56		119	
1. / 35	.5 1.3	. 3	6 . 1	. 1		į.					1	1		29	1	101	
3 / 33	2.7 1.8		7			!	1						;	41	41	84	
2/ 31	.2 1.4 1.1	1.3 .	5			1	,		į			į	ł	35	35	106	3
1 / 24	.5 .7 1.1	.6 .	2			-					1		1	26		59	
2.1 27	1.1 1.2	. 4	7			[j :							22		40	
1 25	.6 .7	•	1							1	1			12	12	30	
2-/ 23	1.6 .7			i		ļ	1 1				1	:	j	19	19	28	6
2/ 21	.5 .2													6	6	22	
1 / 19	4		1 .	- !		i)			1	5	5	6	9
1 17	.1 .4 .2						,							6	6	5	
1: / 15	. 8		i i	i		1	1 1		!			{	1	7	7	9	6
1-/ 13	.1 .4 .2		1											6	6	6	5
1./ 11	• \$:		- 1		}				- :	1 1	}	ł	4	4	5	3
/ c	.7										1			6	6	5	2
/ 7	1	i	. 4	Í		1	(j		[1	1	6	. 1
./ 5	• 1			;							1			1	1	1	1
4/ 3	1					ļ	1			,				ĺ		_	_
Element (X)	2 4	ZX		X	•,	$\neg \neg$	No. Ob	s.]			Mean I	to, of H	ours wit	h Tempere	iture		
Rel. Hum.					<u>_</u>	_			10F	± 32 F	= 67	F .	73 F	- 80 F	- 93 F		Total
Dry Bulb										1	+	1					
Wet Buib						_								1			
Dew Peint										 				 			

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATH WEATHER SERVICE/MAC 725690 STATION NATRONA CO/CASPER WY 73-81 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL
1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point 6 14 TOTAL 1.013.111.6 8.515.912.013.310.6 7.6 4.5 .6 831 831 0.26-5 (OL 2123773 ¥ 46.519.910 38619 35035 No. Obs. 831 Meen No. of Hours with Temperature Element (X) 2 0 F 1 32 F ≥ 67 F ≥ 73 F 42.211.415 1585227 831 17.5 Dry Bulb 33.5 7.477 976678 27834 831 36.9 93 Wer Bulb 403080 20.6 7.682 93 17154 831 88.9 Dew Peint

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569: NATRONA CO/CASPER MY 73-81
STATION STATION NAME

PAGE 1 1800-2300 NOURS (L. S. T.)

Temp.					WET	BULB .	TEMPER	ATURE	DEPR	SSION	(F)					TOTAL		TOTAL	
(F)	0 1-2	3 - 4	5 - 6	7 - 6								- 24 25 - 2	6 27 - 28	29 - 30	* 31				lew Point
2/ 61								• 1								3	3		
1 57							. 2					1	1 1	-		4	4,		
5 / 55						. 4					 +-			;		10	10		
4/ 53				. 1	. 4					ĺ		1	1 1	1		9	9		
4/ 51				- 1					. 1		1		+	-		14	14		
5 / 49				. 1	1.0					1		(1		20.	20		
6 / 47			. 4		1.1				:					-		38	38		
4 / 45			. 6	1.6	1.3	1.0	1			i		;				. 38.	38	3	
.4/ 43					1.8			•		•			1			53	53	13	
-2/ 41					2.2				į.	1			;			50	50.	15	
4 / 39	.4	1.1			1.1			•	-					+		69	69	35	1
3 / 37	• 5	3.2	2.7	1.3	1.1					L			1 _ 1			72	72	56	3
/ 35	• 9	2.0	3.3	2.2	.6					!		-				71	71	85	4
3 / 33	.2 2.8	1.6	4 . 1	1.1	. 1							1				82	82	100	12
2/ 31	.4 4.4	3.7	2.1	.7	. 1				:		ı		i			88	88	107	49
7 / 29	2.3	2.7	. 6							1			1 1	.1		46	46	106	71
2 / 27	.4 1.3	. 7	. 2	. 2					7				T			24	24	101	92
/ 25	.2 1.0	. 5	- 4	.1				i					1 :			18	18	56	73
2.1 23	1.3	.7										1				17	17	23	60
2/ 21	2.2	.6	i					L			· i		.i	i		23	23	24	66
1 19	2.1	. 2								1			,			19	19	32	87
1 -/ 17	.1 .4	• 2,		i				<u>. </u>	<u> </u>				<u> </u>			6	6	11	87
1./ 15	.2 .6		- 1]			7	7	9	44
1-/ 13	1.6	.2					<u></u>	· 	<u> </u>				1			15	15	6	55
1 / 11	.2 .5		1					İ	I	,						6	6	15	29
1 9	• 5							; 	ļ	-			1				4	6	21
/ 7	.2 .2				1			1		ĺ		İ	1	1		4	4	5	17
1 5	.6						L		ļ		+ 1					5	5	4	12
/ 3	. 4						1	í j		j		1		1		3	3	6	11
	.2		·						<u> </u>		<u> </u>	-	1			2	2	2,	6
/ -1							'	1	-		j			į			i		10
- / -3			+								 		4						9
/ -5			:		j			i i	1			}		}		1 1			1
Element (X)	z _x ,			ī X		R	•,	<u> </u>	No. OI	s.			Moon N	o. of Ho	urs wid	h Tamparetu	**		
Rel. Hum.											= 0 F	s 32 F	≥ 47		73 F	- 80 F	≥ 93 F	Te	rei
Dry Bulb												Ι						I	
Wet Bulb		1												1		T		7	

ETAC 100m 0.26-5 (0) 4)

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE HEATHER SERVICE/MAC 725690 NATRONA CO/CASPE

PSYCHROMETRIC SUMMARY

2569" NATRONA CO/CASPER at 73-81

STATION STATION NAME

PAGE 2 1800-2000 Hours IL. S. T.)

WET BULB TEMPERATURE DEPRESSION (F)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 a 31 D.B./W.B. Dry Bulb Wet Bulb Dew Peint Temp. (F) 820 TOTAL 827 7.124.116.821.214.411.C 6.D 3.J .7 .6 2x 48177 58.718.736 Element (X) Mean No. of Hours with Temperature 132 F +67 F +73 F +80 F +93 F 32 • 5 3117194 820 Rei. Hum. ± 0 F 35.210.139 29.7 7.568 20.7 7.982 1098865 820 93 28845 Dry Bulb 93 24316 Wet Bulb 767962 820 58.2 403005 16961 820 90.7 93 Dow Point

0-26-5 (OL A) sense nencus tornons or rus

AFETAC NOM 0-26

GLOBAL CLIMATOLOGY BRANCH US4FETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

NATRONA CO/CASPER MY

PAGE 1 2100-2300 HOURS (L. S. T.)

																				HOURS (
Temp.								TEMPER										TOTAL		TOTAL	
(F)	0 1	- 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28 2	29 - 30	× 31	D.B./W.B.	Dry Bulb W	et Bulb	Dew Poin
5 / 55							. 1	1		1		ĺ.	!	i i	1	1		1	1		
~4/ 53						. 1	1	<u> </u>		<u>'</u>					-			2			
2/ 51							• ?			1		i		1	· 1			2	2		
5 / 49					• 1	. 2	•	· .		<u> </u>		·		+				3	3		
47				. 1	• 1	• 2	. 6	į				i			1 :	İ		9			
41/45			• 1	. 9	1.7	. 4	. 4	: 		.		!	<u>. </u>		<u> </u>			28	28		
4/ 43				1.5	1.8	. 4	. 1]				1		:		31	31	2	
-2/ 41			• 1	2.0	5	. 5		-		·				+	1			25		4.	
4 / 39		. 1			1.5	. 1	1			ı					1			52		15	
3 / 37		. 2	2.7	1.5	• 5	. 4	l					I		·	1			43	44	38	1
/ 35		1.7	2.9	1.5	1.7	. 1	i					,	;		í !			65	65	55	2
3 / 33		2.8	2.7	3.6	1.5	1	<u></u>					<u>.</u>	<u></u>					87	87	76	10
2/ 31	• 5	6.7	4 . 4	2.2	1.0	. 1		i :				:		1	1	ĺ		116	116	8.8	40
7 / 29	. 9	4 . 1	2.9	1.1	. 1							<u> </u>		+	<u> </u>			74	74	92	7.8
2 / 27	• 4	5 . 2	2.2	. 7	. 1			i i		!		1		1	1			70		107	84
21/ 25	• 6					·				-								49		114	85
24/ 23	• 2	2 . 1	. 6	. 2	1		1			!				1		1		26	26	61	57
2/ 21			1.0	.1			ļ	i		i			· 	-	_	;		26		37.	78
2 / 19	• 5	2.7					1	1 1						1	j	į		26	- 1	22	100
1-/ 17	.4	1.5					ļ	1						1				15		29	66
1 / 15	• 1	,			:	1				1				1	: :	1		11	11	13	44
1-/ 13	• 2	. 9					<u> </u>							<u> </u>		1		9		11,	41
1 / 11	. 4	• 9								1				1		i		10	10	13	
1 / 9	- 1	. 6					1	11				· 						6		6,	17
· / Ti	• 2	• 6				l	1	[1						1		7	7	9	17
./ 5	. 2	. 5						<u>i — </u>		L		L						6	6	4	6
«/ 3	• 2	. 4			1		1	[[į			1			5		7	10
/ 1	. 4	.2					<u> </u>			ļ				i				5		<u> </u>	14
/ -1	• 6	- 1			į į		1	} {		1				1	1 1	i		5	5	6	5
-/-3					.		<u> </u>	↓					<u> </u>	+	-						8
/ -5	1	1								j .		ĺ .		į		į		1			7
-1 -7					ļ		<u> </u>							<u> </u>				L	<u> </u>		1
TOTAL	6.83	7.3	21.4	19.3	10.8	2.7	1.7	1						1				1	816		814
					<u> </u>		1						١	<u> </u>	<u></u>	1		814		814	
Element (X)	2	<u> </u>			2 X		X	•		No. Ob					,			h Tempere			
Rei. Hum.			4437		552			16.0			14	10		1 32 F	2 67 1	<u> </u>	73 F	> 80 F	• 93 F	 1	rate!
Dry Bulb			6305		249			9.4			16		• 6	53.2				ļ			93
Wet Buib			1937	<u> </u>	219			7.7			14		•7	71.3							93
Dow Paint		39	3061	1	166	33	20.4	8.0	R B	8	14	2	. 4	91.5	l .	- 1		1	1	1	93

SLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725690	NATRON	A CO							73-8	11										M.	
STATION			51	ATION MA	ME									YEARS				_		MOR	
																		PAGE	1	HOURS IL	. L . S. T.)
Temp.					WET	BULB 1	EMPERA	TURE	DEPRES	SION (I	")							TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	5 - 16	17 - 18	9 - 20	21 - 22	23 - 24	25 - 2	26 27 -	28 29	- 30	a 31	D.S./W.S.	Dry Buib	Wet Bulb	Dew Poin
. / 71				7				1			• 0	• 0		7				. 3	3	,	
1 69		-				!			.0	.0	. 1		L	<u>.</u>				7	7	_ ~	
6 / 67								1	• 0	. 1	• 0				:			7	7		
6/ 65		·		·					• 0				+	<u> </u>	-			2	2		
4/63							• 0	• 0	- 1	• 1	• 0		:		į	i		20	20		
/ 61							•0	-1	.2							_		22	22		
/ 59					• 0	• 0	•1,	• 5	• 1	• 0			1	;		i		43	43		
5 / 57		•		· ·		• 1	•2,	• 2	- 3							-+		52	5.3		
5-/ 55				_	• 0		• 5	. 4	• 2	• 0					1	i		92	92		
4/ 53		·		<u>• 0,</u>	•2	• 5,	<u>•5</u>	• 5	-1				†	 -	- j-	-+		118	118		
2/ 51 5 / 49				• 1.	. 4	• 7.	• 6	• 3	. 0				,	:	1	1		133	134	3	
1 / 47		·	•0	<u>• 2</u> ,	1.0	. B	•6,	-1					+	—				157	157	9.	
4 / 45		_		• 6		1.2	. 4	• 0		- 1	!		ţ.	:				224	224	17	
4/ 43		• 7	• 9	$\frac{1.1}{1.7}$	1.0	- 8	• 2 • C		+				 -	-+		-+		236	236	42	
2/ 41	• 0				1.1	• 6	• 6	İ						1	1	i		297 305	297		
4 / 35				1.8	9	•2	• 0						-	-	-	-+		409	409	153 277	
3:/ 37		2.1	1.8	1.5	.6	. 1	• ()	- 1						1	5			421	422	408	12
3 / 35		2.1			• 3	• 1	+		+	+			 	+	+			443	443	535	52
3-/ 33	.1 2.3		-	.8	. 1	• •	i			1	i		i	;		1		493	493	625	92
72/ 31	.3 4.1		2.7	• 5	.0	+	+	+	 i		+							662	662	705	333
7 / 29	1.1 3.2		. 7	.1	• •		1		ì	1	+			į		- 1		498	498	744	461
2 / 27		1.6	. 5	-1					+		+			+	-+-			386	386	686	684
1 25	.4: 2.8		. 2	• 3			1	İ	1	1	- 1			1				305	305	600	587
21/ 23	.2 2.1	• 7	•1				+	+			+		 	+	+-			205	205	379	987
2/ 21	.5 2.0		. 1		- /	į	(1	- 1	1	i		1	1	- 1	- 1		219	219	286	625
/ 19	.5 2.5						+			+	+		<u> </u>	+		+		241	243	247	817
1 / 17	.2 1.3		7	1	1	i I	}		1	1	-		ļ	1				119	119	180	561
1 / 15	.2 1.1	• ?						+	-		+			+		-+		85	85	129	932
14/ 13	.2 .9	- 1		Í	- 1	1	-	i		1			1	1				73	73	83	376
1 / 11	.2 .5	,												+				43	44	77	281
1 / 9]	.2 .6	i ;	, 1	1			-	1			1		1	ĺ		i		53	5 3	5.5	202
:/ 7	.3 .5													-	1	-		50	50	48	141
(/ 5	2 . 4	L	į		1		1	Ì	ł		ł		1	1	- 1	ļ		42	42	51	89
Element (X)	2 K,		1	X		X	**	7~	No. Obs.					Mee	n No.	of Hou		Temperat			
Rel. Hum.											2 0 F		32 F	7	67 F	• 7	3 F	- 80 F	• 93 F	1	etei
Dry Bulb								\top						1					1		
Wet Bulb														1				Ī			
Dow Point								_										·	+		

0.26-5 (OLA) emuso memous sor

USAFETAC NOM

GLCBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER BY
STATION NAME 73-81 MAR PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.8-W.B. Dry Bulb Wer Bulb Dew Point t. / 52 •4 •2 42 42 73 • 2 25 27 98 25 / -1 • 3 73 20 20 22 / -3 39 --/ -5 5 5 24 9 8 - /-11 -1 /-13 -i·/-15 TOTAL 6.129.918.514.811.2 7.2 5.4 3.4 2.1 1.0 .2 .2 6574 6567 6567 6567 2 ತ 0.26.5 Element (X) 24, Z X No. Obs. Mean No. of Hours with Temperature 405582 61.820.063 221000 33.611.705 187527 28.6 8.534 ± 0 F = 32 F 4 • 0 349 • 3 4 • 2 496 • 9 27692086 6567 6574 ± 67 F = 73 F = 80 F = 93 F Terel 8329984 Dry Bulb 1.9 744 5833255 Wet Bulb 6567 744 Dew Paint 3108184 132598 20.2 8.100 6567 18.0 725.8 744

GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIS WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER WY 73-81 APR STATION YEARS 0000-0200 HOURS IL. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 4/ 53 .1 .1 . 3 • 1 6 . 8 2/ 51 .1 5 / .1 . 6 .6 . 3 . 4 17 . 1 17 .3 1.4 1.1 1 / 47 . 5 . 8 33 33 1.3 1.4 4. / 45 1.3 42 42 5 6 .9 1.4 2.3 1.3 2.2 1.9 3.1 1.1 .6 4/ 43 51 51: 1.21 41 3.1 1.1 . 1 51 66 66 4 / 30 3 / 37 .4 2.7 3.9 .4 2.8 4.1 2.09 44; 3 / 76 66 40 2. / 35 .5: 4.5 1.9 1.3 67 105 67 33 3 / 33 1.7 4.7 2.0 1.3 77 77 121 56 2/ 31 1.1 6.0 2.0 1.0 80 80 84 101 1 29 1.3 2.9 2.7 . 6 54 54 96 .8 5.3 1.7 .3 2.0 .6 2-1 27 58 58 69 10 (25 23 23 58 67 2 -/ 23 .4 .8 2B 13 49 15 2/ 21 15 53 / 19 .4 1.1 12 12 11 69 17 38 6 . 6 1./ 15 3 . 4 31 16 17 1 1 / 11 9 . 1 1 1 (7 5 1 1 1 1 3 0-26-5 (OL / 2 -. / -3 --/ -5 1 TOTAL 8.736.522.319.5 8.1 3.7 1.8 786 786 786 786 Element (X) Mean No. of Hours with Temperature 4283791 36715 72.213.616 786 =47 F = 73 F = 60 F = 73 F 1 0 F Rel. Hum. ≆ 32 F 35.8 8.173 32.2 6.628 1357176 31.0 90 28102 786 Dry Sulb 786 90 851361 25339 • 3 42.3 27.0 6.986 610438 21206 786 72.4 90 Dow Point

1	
1	
. ∫	 -
_1	
GLORAL CLIMATOLOGY BRANCH	DSYCHDOMETRIC SHMMARY

ATF "EATHER SERVICE/MAC

77569	NATRONA C	O/CASPER HY		73-81	YEARS		APR
3		3 3				PAGE 1	0300-0500 Hours (L. S. T.)
Temp.		WET	BULB TEMPERATURE	DEPRESSION	(F)	TOTAL	TOTAL
(F)	0 1-2 3-4	6 5-6 7-8 9-10	11 - 12 13 - 14 15 - 16	17 - 18 19 - 20	21 - 22 23 - 24 25 - 26 27 - 28 29 -	30 + 31 D.B./W.B. Dry Bulb	Wet Bulb Dew Poin
5: / 55		• 1	• 3			3 3	
-4/ 53		1 1 1		<u> </u>		5, 5	·
-2/ 51		• 3	Ι.	1		4 4	i e
5 / 49	.1 .	1 .4 .1	• 1	}+		7, 7	· 2,
4 / 47	•	3 •5 •6	• 6	1		16 16	3 1
4 / 45	<u> </u>	9 .5 .3 1.1				21, 21	. 5
4/ 43	•4:1•		1			42 42	
42/ 41	1.9.1.	5 2.1 .8 .			, 	52, 52	
4 / 30		4 2.1 1.5	1	i i	i	70 70	
3 / 37	.6 1.5 4.	_ 	 	 		73 73	
3/ / 35	.5 4.6 3.					81, 81	
3./ 33	1.6 6.1 2.		 - - - 	 	+ + + + + - -	87. 87	
32/ 31		7 1.8		1 '	1	97 91	
3 / 29		3 •1,	 	, 	,	58 58	
2 / 27	.9 4.3 2.			!!!	'	59 59	,
7 / 25	•6 2.5 1.		+	 	 	34 34	+
24/ 23		4				24 24	
2/ 21	1.3 1.4				+++	19 19	
2 / 19	.1 2.1					18 18	
1 / 17	. 3 .3		++	 	+++	2	
1./ 13	• 3						2 1
1 / 11	1 .3	+	+	 	+++	3 3	2
1 / 9	1				! ! ! ;		2
1 7			+		 	2 2	3
// 5	.1 .1			1 1		2 2	2
-/ 3	3		 - - - - - - - - - -	!	 	2 2	2
/ 1	1			1			i
1 -1	1		 -	1 1	1-1-1-1-1-	i	+
- / -3	7			1 1			
STAL	17.241.825.	513.4 5.4 2.4	.9 .1 .1			792	79
	;			 		791	791
							<u> </u>
Element (X)	2 x'	2 x	X Ta	No. Obs.		Hours with Temperature	
Rel. Hum.	461954		74.914.933	791	# 0 F # 32 F # 67 F	*73 F *80 F *93	
Dry Bulb	95624		33.8 7.981	792	.1 37.6		91
Wet Bulb	78952		30.9 6.692	791	.1 51.3		90
Dow Point	58287	20694	26.2 7.246	791	.3 74.6		90

GLCBAL CLIMATOLOGY BRANCH USAFETAC A!- WEATHER SERVICE/MAC

USAFETAC NORM 0-26-5 (OL A)

PSYCHROMETRIC SUMMARY

72569" NATRONA CO/CASPER MY 73-81 APR
STATION STATION NAME YEARS PAGE 1 0600-0800 HOURS IC, S. T.)

Temp.								TEMPER									TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25 -	26 27 - 2	8 29 - 3	0 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
6 / 67								1			.1			1.	,	1	1	1		
6/ 65								!	•	ļ	. 1	1			<u> </u>		1	1		
4/ 63								• 1	1		. 1	1 :			,	1	2	2		
:/ 61	L				:			:	- 1	ļ	. 1	1			<u> </u>		2	2		
/ 59					,	. 1	• 3	į.	• 1		1	1 7				i	4	4	,	
E-/ 57						. 4			• 3		<u>. </u>	<u> </u>		<u>:</u>	, 		6.	6		
5 / 55			. 1		. 4	. 8	a 3		• 1	}							13	13		
4/53				. 4	• 6	• 3	• 5	<u> </u>	. 1	<u> </u>	!	 			i	<u> </u>	15	15		
12/ 51			• 3	. 3	. 4	. 9	• 1	• 1		i	į .	1 7				7	16	16	1	
5 / 49		3	1	1	1.0	. 8		i	İ	<u> </u>	i 	L _ L		_ i	<u> </u>	<u>i </u>	20	20,	3.	
4 / 47	•		. 6	. 4	1.3	• 6	• 5		:					Ţ			27	27	19	2
41/ 45		. 1		1.5		. 6			i	<u> </u>	İ		_		1	i	38	38	14	2
4/ 43		. 9	. 9	2.4	1.8	. 3	• 1			i			Ţ		1	;	50	50	23	3
2/ 41		9	1.0	2.6	1.5	. 4		L	; I	l 1	ļ		i	1	1	i	51	51	37	7
4 / 39	.4	2.5	2.3	2.1	• 9	• 3										7	67	67	56	24
3 1/ 37	. 5	1.6	4.5		. 9	• 1			į]	;			ļ	1	i	76	76	74	32
3 / 35	_₹• ĭ	4.1	2.4	1.8	• 5						1				-	1	86	86	100	42
3 / 33	1.9	3.4	2.3	. 9	• 3					i	i		1	ł	i	1	69	69	106	64
'2/ 31	1.4	4.8	2.1	1.4	• 1					Ī					1		78	78	92	104
' / 29			1.3	• 1	1	i		:				i		1	f		54	54	77	95
7 / 27	. 8	2.8	1.3	. 3											1		40	40	67	85
? ₹/ 25	. 4	2.4	. 4		ļ	i		į	i	1			ŀ	1		ļ	25	25	46	74
21/ 23	• 1	1.4	- 4	-													15	15	28	52
2/ 21	• 1	1.0	• 1		1	i			! !	1	į	1	l	1	i		10	10	18	49
7 19	• 1	1.4				,											12	12	11	59
17/ 17		3		_				l		1	1	1 1	1	ĺ	ĺ	İ	2	2	7	40
1 / 15	. 3	. 3														1	4	4	3	25
14/ 13	• 1	. 3	. :					l						i		1	3	3	4	16
1 / 11		.5														T	4	4	2	7
. / 9	i	. 4		1						<u> </u>	1	1 1	i	1		1.	3	3	6	2
-17		• 1													1	T	1	1		3
(/ 5	• 1		i	i		1	!	Ĺ i		Ĺ	L		.	1_	1 _	L	1	1	2	5
./ 3													1							2
. / 1				İ							1						1 1	i	1	1
Element (X)		2 X 2			X.		Ţ	1,		No. O	18.			Meen	No. of	Hours wit	h Temperati	ur e		
Rel. Num.						\perp			\Box			10 F	2 32 P	2.6	7 F	• 73 F	≥ 80 F	• 93 F	T	otal
Dry Bulb						1							T						I	
Wet Bulb						T							7		7					
Dow Paint													T							

GLEBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC A ! = MEATHER SERVICE/MAC 725697 STATION NATRONA CO/CASPER MY 73-81 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.8./W.B. | Dry Bulb | Wet Bulb | Dew Point / -1 TAL 17.132.820.616.111.3 5.4 2.3 796 796 796 0-26-5 (OL A) ZX: Element (X) ZX ¥ No. Obs. Mean No. of Hours with Temperature 4215911 Rel. Hum. 56171 70.617.808 796 10F = 32 F +67 F = 73 F 36.8 9.124 32.8 7.007 796 Dry Bulb 29259 28.5 90 Wet Bulb 896660 26128 796 41.0 90 27.1 7.312 90 Dew Paint 627605 21581 796 70.1

GLCGAL CLIMATOLOGY BRANCH

GLCGAL CLIMATOLOGY BRANCH USAFETAC AIG REATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569 NATRONA CO/CASPER MY 73-81 APR
STATION STATION NAME PAGE 1 OPEN-1100 HOURS IL. S. T. I

	 													HOURS (L	. 3. 1.1
Temp			WET BULB									TOTAL		TOTAL	
(F)	0 1-2 3-4	5-6 7-8 9	- 10 11 - 12	13 - 14	15 - 16 1	17 - 18				5 27 - 28 29	. 30 = 31	-			Jew Poin
"4/ 73					1		• 1	• 3	. 1			4	47		
7771.							• 1	• 3	• 1	1		4	4		
7 / 69					- 1	• 1	. 8	• 3	• 1	: [1	10	13		
6-/ 67	المرابط بتعليات المعتبيات			•1	- 3	• 5	• 5	•6		+		16			
6/ 65				• 4	• 3	• 5	• 5			1		1.3	13		
4/ 63			•1 •1	•1	. 8	. 9	.4			·		19	19		
421 61 T			• 3 • 9		• 5	• 4	• 1			į		5.2	23		
/ 59		. 1	.6 .9	• 3	1.8	• 6						34	34		
6 / 57			1.0 1.1		• 5	. 4					- 1	3.3	33		
5 / 55		1.0	1.3 2.0	1.9	• 9i	• 1				11_		57	57		
4/ 53			1.8 1.1		. 4							36	36	4	
17 51		.4 .3	2.5 1.9	1.1		1				<u> </u>		49	49	19	
5 / 49		1.3 1.1	1.6 1.4	. 9	1							48	48	28	
1-1 47	5	4 2.0	2 - 1 1 - 4	•1	1				1	1 1	4	52	5.3	54	
4 / 45	.1 .5	1.5 1.9	.9 .6	1								94	44	49	Z
4/ 43	.3 .9	1.8 1.1	.9 .4	:	;	1			,	i :		42	42.	72	3
2/ 41	.5 1.3	1.3 1.0	1.4 .1									44	45	81	14
4 / 30	.9 1.5	1.3 1.8	. 6	1				-		1	,	48	48	78	40
3./ 37	1.9 1.3	.9 .8	• 3							+		40	40	93	25
7 / 35	.8 1.1 .8	. 8 . 6	• 1:		į				i i	İ		33.	33	68	42
3-1 33	1.5 2.3 1.0									+		44	44	68	75
2/ 31	.8 1.6 1.5	. 3	1		1	1		1	,	1	}	33	33	57	116
, 1 50	.6 2.3 .5			1								28	28	45	89
2 / 27	1.1 .4	,			ŀ	1		!			Ì	12	12	39	70
1 25	1.0 .1			·	+					+		9	9	11	76
24/ 23	.3 .3				i	1	1	1	1			4	4:	9.	52
2/ 21	.3 .3									 		4	4	4	40
/ 19	.3 .3		1		- 1	İ		1			ļ	4	4	ė.	71
1 17	.1	+					+	+-		 		1	7		37
1 / 15	.1	1 1		1	1		1	1		1 1		1	1:	1	50
1-/ 13		·				+				++-		+			
1./ 11	. 1						1	1				1	1	•	8
1/9	-+-3			+		+	+			+		2	2		
7	• •	i .	į.	i	- {	1	1	{		1		-	•	3	3
Element (X)	22'	2 K	T + T			No. Obs				Maga Ma	d Hours	A Temperate			
Rel. Hum.		<u> </u>						= 0 F	s 32 F	= 47 F	≥ 73 F	- 80 F	. 93 6	F 7	erel
Dry Bulb			 		_				† - -	+	<u> </u>	 	+		
Wet Bully			 						 	 	†	 	+		
Dow Paint							-+		 	 		 			
SER LAINI		L	_L		. 1		I		1	1	l	1	1	1	

73-81

GLCHAL CLIMATOLOGY BRANCH USIFETAC ATO WEATHER SERVICE/MAC

VM STRONA CO/CASPER MY

725697 STATION

PSYCHROMETRIC SUMMARY

										PAGE	. 2	DOCD-	110
Temp.		w	ET BULB	TEMPERATUR	E DEPRESSION	(F)				TOTAL		TOTAL	
(F)	0 1.2 3.4	5-6 7-8 9-	10 11 - 12	13 - 14 15 - 16	17 - 18 19 - 2	0 21 - 22 23	- 24 25 - 26	27 - 28 29 -	30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
/ 5					1		ļ		!			•	
<u> </u>	3.714.511.	010.512.115	•512 • 0	7.6 5.	3 3 . 5 2 . 9	5 1.4	• 4		- 		794		79
1					1 :	i :		:		792		792	
													
					1 '								
									+				
			- +			+							
					1	i	1						
			-+	L	+								
					1 1		1						
			- +		+	+							
		100		:	i .								
						1							
					1	i	1			1			
										·	-		
		. :	1		i	i i	1 1	1	ı				
									_ 				
		<u> </u>			L	1	_ i _ l			1			
			1			1 1				-	•		
													
						;							
						+				++			
				,	1 1		[]	;	!				
					 				+	++			
į.		1			' i	1		j	ì	į			
				 		++			+	}+			
	4	1 1				1	ļ		-				
		+			 					++	i -		
•			i		1 i	1		1		1 1			
		+++-			+	+			+	++			
i						1		İ	ì	1			
iement (X)	Zg'	ZX	X	7.	No. Obs.	' ' -		Mean No. of	Hours wil	A Temperate	// ·		
lel. Hum.	261191			21.399	792	± 0 F	5 32 F	≥ 67 F	# 73 F	- 80 F	• 93 F	T	9101
ry Bulb	180482	8 36724	46.3	11.576	794		11.2	3.9	• 5	1	1	1	9
For Bulb	118618	30101		7.300	792		20.2				1		
Dew Paint	65487	9 22079		7.055	792		67.2						9

MORN 0-26-5 (OLA)

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NATPONA CO/CASPER WY

. 6

. 1

. 8

1.0 1.1 1.1

• 3

• 5 . 9

• 3

1.3 1.3

.4 1.5 1.7 2-2

. 5

• 3

. 6

• 3

72569

STATION

-2/ 41 4 / 3,

3 / 37

3 / 33

2/ 31

2 / 27

/ 25 ? / 23

2/ 21

35

PSYCHROMETRIC SUMMARY

21

29

31

30

27

31

13

3

21

29

31

30

31

13

97

69

57

53

50

56 32

17

11

11

25

23

47

88 77

83

82

51 72

68 33

37

24

Total

APR

		PAGE	1	1200-1400 HOURS (L. S. T.)
Temp.	WET BULB TEMPERATURE DEPRESSION (F)	TOTAL		TOTAL
(F)	0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31	D.B. W.S. Dr,	Bulb	Wet Bulk Dew Pa
/ 79	•3 •1	3	3	
7 / 77	.1 .4 .3 .1	· 7,	7.	· .
6/ 75	.4 .9 .4	1 3	13	
4/ 73	.1 1.0 .3	. 11.	11	
71	•4 •9 •5 1•1 •1	24	24	
1 59	• 4 1 • 3 1 • 1 • 3	24	24	
6 / 67	•6 •8 •9 1•1	27	28	
6/ 65	•4 •8 1•3 •9 1•1	35	35	
4/ 63	•1 •4 •5 1•6 1•4 •4	35	35	
2/ 61	.1 1.0 .6 1.8 2.4 .9	54	54	
/ 59	• 3 • 4 1 • 1 2 • 2 1 • 4	34	34	
5/ 57	.4 .8 3.0 1.5 1.3	5.5	55	_
5 / 55	.1 .9 .8 3.4 .8 .3	49	49	1
4/ 53	•1; •6 2•0. 1•6. 1•4 •1	47	47	11
2/ 51	•5 •6 •8 1•6 1•0 •5	40	40	38
5 / 49	•8 1•6 1•9 •4 ₁ •8 ₁	36	36	55
- / 47	•1 •5 1•0 •8 1•1 •6 •1	34	34	57
4. / 45	.3 .1 1.1 .6 1.7 .8 .4	34	34	75
4/ 43	.1 .3 .6 .4 1.5 1.1	32	32	103
27 41		21	21	07 1

73-81

0.26-5 (OL

1 / 19 1(/ 15 1-/ 13 Element (X) Mean No. of Hours with Temperature ±47 F = 73 F = 80 F = 93 F 1 32 F Rel. Hum. 10 F Dry Bulb Wer Bulb

Dow Point

GLIBAL CLIMATOLOGY BRANCH USFETAC **PSYCHROMETRIC SUMMARY** ATE WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER MY PAGE 2 1200-1400 HOURS (L. S. T.) TOTAL

(F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 231 D.B./W.B. Dry Bulb Wet Bulb Dew Point

1 / 11 1 -7 3 789 789 789 0-26-5 (OL A) 1 Element (X) Mean No. of Hours with Temperature USAFETAC Rel. Hum. 1828802 33534 42.522.630 789 ≥ 67 F > 73 F > 80 F > 93 F 10 F ≤ 32 F 2286545 1333286 52.312.673 6.5 Dry Bulb 41307 790 3.9 90 12.5 Wet Bulb 31970 789 14.0 90 26.5 7.073 595327 20943 789 71.6 90

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC **PSYCHROMETRIC SUMMARY** 72569 NATRONA CO/CASPER NY
STATION STATION NAME 73-81 APR YEARS 1500-1700 HOURS (L. S. T.) PAGE 1

Temp.							TEMPER										TOTAL		TOTAL	
(F)	0 1-2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	29 - 30	× 31	0.8./W.B.	Dry Bulb	Wet Buib C	Dow Po
/ 79					ĺ		1	ł	}		1	į	• 3	1			. 2	2	'	
7 / 77	i				Ĺ		<u>.</u>		L			. 5	• 5	. 1	• 3		1	1.1		
6/ 75											• 3	. 4	. 9	• 5	1		16	16		
'4/ 73					ļ			ĺ	,	. 4		.6	. 5	- 1	1		12	12		
/ 71									.1	. 6	.6	1.6	• 1				25	25		
/ 69							;	:	. 6	. 9	. 8	1.1	. 1		i		28	28		
6 / 67						1		. 4	1.3	1.6	1.1	. 3			+		37	37		
6/ 65:							i	4	. 4	2.0	1.0	!		i	į.		30	30		
4/ 63		•	-				• 5	• 1		1.9							36	36		
/ 61						• 6	1 1		2.4				!				. 46	47		
/ 59				• 1	.1				1.1		-			+	+		43	43		
6 / 57					. 4	4		,	1.0	• •		i					45	45		
5: / 55				. 3											+		55	55	-	
4/ 53			ľ	. 5		•		.5							1		41	41	15	
2/ 51			• 3		.5			• 5									29	29	76	
5 / 49			. 9		-	1.0		.5				1	}	į						
1 47		-	• 6											+	+		38	38 43	54	
4 / 45		. 6						1			. :		1				43	_	63	
		• 3	. 5						! 								28	28	76	
44/ 43	• 5		1.0				• 1			1		1	į		- 1		36	36	111	
2/ 41	. 4	.6	. 4	. 6		• 1											20	20	90	
4 / 39	1.5		. 4					ļ			1						24	24	72	1
3 / 37	-1 -6		. 8	.6	- 1										i		25	25	65	3
36/ 35	1.3 .9	_	- :								. }	i	į		į		37	37	55	4
3 / 33	.6 .9	• 5	• 1	• 5			:					i					21	21	48	4
2/ 31	1.1 2.0	.9					1								T		32	32	47.	6
1 / 29	• 1 • 5	• 6	- 4							j	1	1	ļ	1	1		13	13	30	7
2 / 27	.1 .6														-		6	6	19	8
1/ 25	• 1	• 1								į	1			1	1		2	2.	9	7
2 - 1 23	• 3	• 1															3	3	1	5
2/ 21	. 3		- 1	1									{	- 1	- {		2	2	3	7
1 19						·												-	2	7
1-/ 17:	• 1	• 1	- 1	٠.						į	1	1	1	ĺ	1		2	2:	,	4
1 / 15	• 1														+		i	1	1	
14/ 13	1 7		i i						i	ĺ	1		i	1	1		1 1	-	2	2
Element (X)	Zx'			Ex		R	•		No. Ob					Moon No	. of Ma	urs with	h Tomperun	170		
Rel. Hum.											= 0 F	,	32 F	* 67 1		73 F	= 80 F	+ 93 1	T	erel
Dry Bulb												 -			+-		 	1	- + '	
Wet Bulb							<u> </u>			+							 			
Dew Point		1			ſ		1	1										1	1	

GLCBAL CLIMATOLOGY BRANCH
USAFETAC
AIF JEATHER SERVICE/MAC

725692 NATRONA CO/CASPER MY
73-81

APR

STATION	NA	TRON	A CO	/CAS	PER	M Y AME				73-	-81			YE	ARS					A P	
																		PAGE	5	1500-	170
Temp.							BULB .											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 1	6 17 - 16	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.8./W.S.	Dry Bulb	Var Bull 1	Dew Pe
1 / 11			1					:		1	[1
1 7				•				+		-	+		+		+			·			
1/5										1											
CTAL	7.4	8.9	6.7	6.6	9.5	6.6	8.5	11.5	9 .	9.5	0.1	4.1	4.6	2 4	.6		 -		790		78
	, , , ,		0.2		3 • 1,	0.0				, , ,	, ,,	·	7.0	207		• 3	1	789		789	10
				•			*			-			+				 	- 10/			
																	1				
																		•		•	
														. :							
							,					,									
				·			ļ			-		•	·	ا 	i		1	1			
											i				i		-	! '		1	
					i		+	.		·							<u> </u>				
													:		1		1				
								h	-	+	+	-					i	·i			
														ŀ	:			! !			
				•			+		!			+	•							++	
														1			į :	(
							+	 	 	+	+	+			+			 			
								!	:	1	1										
							+			+		+	 i					+			
											1		i i								
	+								ļ	+		+	•	+				+			
	į			ļ			1 :	1	l	!	,	1	ı İ	i	i						
							1				 -	-					 -	· · · · · · · · · · · · · · · · · · ·			
1	l 1	1			{		1 1			1	1	1		ĺ	ĺ						
												1	,								
<u> </u>		i			!						1		L	_ [i !				
				,						1		1	j								
										-	<u> </u>	<u> </u>					ĹĹ				
	1	1	-		_[_				1				7							-
		أحجح		أحجيا						1					لــــــــــــــــــــــــــــــــــــــ			1			
lement (X)	3	r x'			t x		X	· *		No. DI								Temperati		-,	
el. Num.			6042		328		41.6				89	: 0		32 F	= 67		73 F	- 80 F	• 93 1	7	erel
by Bulb			9455		416		52.7				90			6.9		9	4.7	• • •	<u></u>		9
for Bulb			2534 9498		203		40.5 25.8				89			13.0					 		9
Dow Point		30	7778		203	94	43.6	1.9	13	7	89			72.2					L		91

GLCBAL CLIMATOLOGY BRANCH

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569: NA TRONA CO/CASPER MY 73-81 APR
STATION STATION NAME YEARS PAGE 1 1870-2000

																			HOURS	(L. S. T.)
Temp.							BULB 1										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20		3 - 24 25		- 28 29	- 30 - 31	D.B./W.B.	Dry Bulb	Wet Buib	Dew Point
'4/ 73					1						}	• 1	• 1	• 1	:	!	3	3		
7:/ 71												•1	. 4	• 3			6	6		-
1 69								i		. 4	• 1	. 1	• 1	,			6	6		
6 / 67									3	• 3	.1	.6					10			
6/ 65				:				• 3		• 5	1	• 9	1	,			17	17		
4/63						• 1	<u> </u>	• 4	• 4	. 4	.4	.1.					14	14		
-/ 61			ı			į	.6	• 3		• 6	. 4	1		i			18	18		1
/ 59						• 4	. 5										41			
- / 57				• 1	• 1		. 8			1	,			ŧ	1		40			1
5 / 55				• 3		1.4	1.0			. 6		-					48	48		+
				•	• 8,	• 8	:		. 4	• 3	į	- 1	Ì	1	l	1	45		2	
72/ 51				. 4	• 3		1.9	. 8	• 3			i -					35	35	12	+
5 / 49			_	1.0	1.0		1.6	• 6	. 3		İ		į	1	- 1		4.8	48	20	_
41/45		• 1	1.0		1.4		• 5	- 4					 				48	48	36	
*4/ 43			1.5			1.5	• 8	. 4	i		1	:	ì	}	}	i	5.5	55	47	
2/ 41		.5			.9	1.3	• 3	.1						}			54	54	87	
4 / 39		1.0		1.8	1.6			• 1			i	ļ	1	1	1		42	,	88	
3 / 37		.6		1.1	.8	• 5							i -				38	38	94 77	
3.7.37	• 4	1.9		.5	• 6	• 1	,	1		1)		ł	-		1	1 -			
3 / 33	1.0	2.1		.9	. 4			+									45	45	71 79	
2/ 31	3			. 5	• •	i				į	1	1	ĺ		- 1	ļ	37	37	51	
7 29	. 9			. 3	+			+			+				+-	-+	27	27	39	
2 / 27		1.3	. 3	• •	1	1		1		}	!		1	- 1	- !		15	15	41	
2/ 25		1.0					+	+					+		+				27	
24/ 23	}	. 5		- !	i		i	i		ı	1	į	- 1	- }	-	1	1 4		- 9	
2/ 21		. 3		+		+											2	2	-	
1 19	}	. 4		į	ļ	İ	i		i	{	1		1				3	3	1	73
1 / 17		• 3									+	+-		_	-	-+	7	2	<u>;</u>	31
1-/ 15	j	• 1	. 1	1			1	\		1			i	1	1	1	i	1	ī	26
1-/ 13	. 1		+										+			+	Ť	1	- 2	
1 / 11	1	• 1	ĺ	i	{		i	į	Í	1	1	}		(1		1	1	_	15
, / 9				+										<u> </u> _			<u> </u>		1	+ 7
5/ 7	i	ļ	į	i			-	1	Ì	}	}	- 1		i	}	ł	}		_	
Element (X)		Z X'			×		X			No. Ob	. 1			, M	een No.	of Hours wi	th Tempere	luro .		
Rel. Hum.						_			_			2 0 F	+ 32		≥ 67 F	≈ 73 F	- 80 F	. 93 1		Total
Dry Bulb									_		$\neg \uparrow$		 			·	1	1		
Wet Bulb						_							1			1	1	1		
Dew Paint									- - -		+		+			 			+	

FORM 0-26-5 (OLA) service nervous removes on

JSAFETAC POPE

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATE WEATHER SERVICE/MAC 725697 NATRONA CO/CASPER MY 73-81 PAGE 2 1800-2000 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Pern (**F**) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 -31 1 792: 792 792 4.214.612.411.211.011.510.2 9.3 6.3 4.8 1.4 2.0 O C õ Element (X) No. Obs. Mean No. of Hours with Temperature 52.722.819 45.911.424 37.6 6.971 26.9 7.646 41775 36382 792 792 2615369 1774510 = 67 F = 73 F = 80 F 20 F ± 32 F • 93 F Dry Bulb 11.6 2,8 90 1155865 Wet Bulb 29749 792 20.3 90 618550 90

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF MEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7:569: NATRONA CO/CASPER WY 73-81 APR
STATION STATION NAME YEARS PAGE 1 2100-2300 HOURS (L. S. T.)

						WET	BUL C	TEMBES	ATUPS	DEPRE	SSION	(E)						TOTAL		TOTAL	
Temp.	0					751	BULB	EMPER	NE NE	DEFRE	331UR	122	2 22 2	4 35 3	4 27 24	20 30			Dry Bulb W		Daw Pein
/ 59		1 - 2	3 . 4	3 - 8	7 - 8		• 1		.1			71.2	2 23 - 2	- 23 . 20	21 - 20	27 - 30	- 31	4		- 50.5	
5 / 57:	;			• :	• 1	1				1	1	1	1	1		;		7			
5 / 55					. 3	• 1			• 1			+	+-	+		+		14		+	
64/ 53			. 1	. 4			1.1				:		ł	1	i	İ	1	27		1	
2/ 51			•1	• 5	• •	1.3			•••	┼		+			+	+	+	30			
5 / 49		- 1	••	- 0					1	1	j	1	ļ			i	1	41	41	2:	
- / 47	+		- 1	1.5	2.3	1.6	- 6	• 1		 		+	+		 	+	+	50		10	3
4 / 45	1			1.3						į	}	1				1	İ	58		17	2
4/ 43		1.5	.5	2.3	2.5	9	† 		 			+	+	-+	+	+	+	61		41	4
				2.7				[1	i	i	į	i i		1	!	65		65	7
4 / 39		2.4	2.4	1.9	. 5		· · · ·		 	† 		+	+	1	†	1	1	57		71	30
3:/ 37				1.3			:	i			l	1	1				j	5.3		99	35
3: / 35	1.3	2.2	2.3	1.5	. 6		 		+			1	1	1	1		1	61		103	46
34/ 33				1.4			ĺ			l		İ			İ	1		82	82	77;	47
2/ 31	.6	3.8	2.2	1.0						1		1	1	1	1		1	60	60	94	100
- / 29	1.7	1.4	1.6	- 6		İ		1					-		1		í	37	37	60	107
2 / 27	.9	1.3	. 5	• 1								1				1		22	22	51	91
"r/ 25		2.0	. 4				1			<u> </u>						<u> </u>	l	23		38	8.3
21/ 23	• 1	. 9					1										Ī	10	11	23	44
2/ 21	. 4			1			i					1	_ L			i	İ	10		16	44
19	.1	.6										T	7				Ţ	6	: -:	8	65
1:/ 17		• 1				L	<u> </u>	<u>.</u>	<u>i</u>		1	1		<u> </u>			<u> </u>	1		1	36
1 / 15	. 3								1	1			ł	1	}	1		3	3	4	17
14/ 13		. 1		<u>.</u>		ļ			L	L		-				<u> </u>	<u> </u>	1	1		11
1. / 11	i	• 1		,			ŀ									1		1	1	2	6
1/9			<u> </u>			1 	ļ		L		L	↓						1			3
1 7	1	• 1						1			ļ	1	1			1		1	1	1	2
1/5				<u></u>		L		L		<u> </u>	L	ــــ			↓			<u> </u>			1
0/ 3							!	}			ĺ			ļ		-		1 _		. !	1
/ 1	• 1					L					L	_			 	 		1	1	1	
/ -1	. 3			į		į	1	1	}	}			1	-				2	2	2	_
- / -3						! 	 	 	-		<u> </u>		-		ـــ	├	 	 	├		
-4/ -5	1					į	((1			i	1	1	}	}		}	1
-1./ -7	<u> </u>	لببي				<u> </u>			ــــــــــــــــــــــــــــــــــــــ	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	ــــــــــــــــــــــــــــــــــــــ				<u></u>	<u></u>	<u></u>			1
Element (X)		z _K ,			z y		X			No. O								h Tempere			
Ref. Hum.												2) P	1 32 F	+ * 6	7 -	• 73 F	= 60 F	+ 93 F		otel
Dry Bulb									_			<u> </u>				-+-		 			
Wer Bulb				 											+						
Dow Point				L		L_		1	ſ			(- 1		ł	ł		1	_1	_1	

COM D-26-5 (DLA) BEYISED MEYICUS EDITIONS OF THIS FORM

AFETAC ROSE C.

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY 73-81 2100-2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 0.8./w.8. Dry Bulb Wet Bulb Dew Point 7.226.317.317.615.0 9.6 5.1 1.1 .6 .1 788 788 TCTAL 788 788 ಠ 0.26.5 Element (X) Zz No. Obs. Mean He. of Hours with Temperature 52125 66.118.418 30760 39.0 9.054 26961 34.2 6.803 21712 27.6 7.193 Rel. Hum. 3714963 788 10 F 1 32 F +67 F = 73 F = 80 F = 93 F 20.3 788 90 Dry Bulb 1265244 • 2 958877 34.4 90 638952 788 70.1 90 Dow Point

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF MEATHER SERVICE/MAC

NATRONA CO/CASPER MY

72569

PSYCHROMETRIC SUMMARY

APR

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Poin 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) 179 . 1 5 5 • 7 7 / 77 '6/ 75 . 2 . 2 29 29 '4/ 73 . 2 30 30 . 1 - 1 71 . 1 . 1 59 59 • 2 • 2 . 4 / 69 • 0 68 68 6.1 67 . 3 91 92 . C . 4 .6/ 65 . 3 96 96 . 7 106 106 4/ 63 .0 . 6 . 5 . 1 12/ 61 . 0 . 4 . 3 143 144 59 • 0 . 2 . 3 . 3 1.0 . 5 160 160 . 1 c : / 57 186 186 5.1 55 239 239 1 . 6 54/ 53 • Oi . 1 . 7 1.0 222 222 . 4 . 8 . 9 220 • 1 1.0 . 2 220 2/ 51 .7 1.0 . 4 167 5 / 49 • 7 . 1 255 255 47 .8 1.5 1.0 303 304 245 .7 1.2 1.4 320 320 288 18 4 / 45 .4/ 43 • 3 .0 368 368 463 19 :2/ 41 .9 1.2 1.8 1.1 . 6 361 362 536 59 396 195 39 1.6 1.7 396 525 1.6 1.1 4C/ . 3 408 37 .2 1.5 2.6 1 . 3 408 582 265 35 1.1 2.5 1.9 1.1 440 440 644 346 450 450 664 436 1.3 34/ 33 3.2 1.5 740 3.6 721 31 1.7 . 8 448 448 584 . 9 2.1 1.1 284 284 455 701 1 29 . 5 2.2 378 220 220 727 27 • 7 26/ 25 . 2 1.4 . 3 124 124 258 594 23 76 144 402 . 8 63 63 96 464 2/ 21 549 19 • 0 55 55 54 16/ 17 35 304 . 0 21 208 10/ 16 15 14/ 13 9 9 13 123 Mean No. of Hours with Temperature Element (X) z x No. Obs. 10 5 = 67 F | + 73 F | + 80 F Tetel Rel. Hum. s 32 F - 93 F Dry Bulb

73-81

0.26-5 (OLA) m

USAFETA

Wer Buth Dew Paint

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER NY 73-81 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Temp. 1 / 11 .0 .1 10 10 69 .1 7 • 1 5 5 5 24 • 0 3 -1 • 1 2 -6/ -7 TAL 6.223.115.312.8 9.7 7.9 6.4 5.4 3.9 3.5 2.5 1.6 1.1 6328 6323 6323 6323 0.26.5 I X Meen No. of Hours with Temperature 2 % No. Obs. Element (X) X Rel. Hum. 25716338 374676 59.323.578 6323 s 32 F 267 F 273 F 280 F 293 F Dry Bulb 12615672 270954 42.812.659 6328 .7 153.7 34 .2 720 35.8 7.767 26.9 7.276 8504290 4898123 226630 .7 236.6 Wet Bulb 6323 720 1.1 566.7 169867 6323 Dew Point

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER HY 73-81 STATION PAGE 1 0000-0200 HOURS (C. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Daw Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | + 31 6: / 67 2 : 4/ 63 • 2 -2/ 61 . 1 . 1 / 59 . 4 5-/ 57 11 . 6 . 1 5 / 55 1.1 4/ 53 .7 1.2 • 5 . 6 • 1 38 38 °2/ 51 1.2 1.2 1.2 1.7 . 9 52 •1 •7 1•0 1•2 1•3 •4 2•2 2•8 1•7 1•6 5 / 49 . 6 41 41 36 41/47 78 17 . 1 78 39, .6 3.3 4.1 2.1 1.5 4 / 45 95 95 74 33 44/ 43 .5 4.9 2.4 1.3 1.0 84 84 96 61 .5 3.9 2.1 1.8 1.0 1.2/ 41 76 76 108 62 4 / 39 .2 2.4 1.9 1.7 54 54 88 69 .5 4.1 3.0 1.2 .2 4.1 2.6 .7 3 - / 37 74 71 73 3.7 35 . 7 80 93 66 66 • 4 3: / 33 .4 4.5 1.7 60 60 95 74 1.3 3.0 102 42 42 61 29 39 1.3 15 15 82 2:/ 27 _- 1] 23 50

No. Obe.

822

823

822

822

10F

± 32 F

6.8

14.4

37.9

39

28

20

9

2

822

93

93

823

822

Mean No. of Hours with Temperature

822

ĩ

()

€.

2-/ 23

2/ 21

/ 19

/ 17

4.736.024.815.610.5 5.5 1.7

60783

35260

32036

28328

73.915.882

42.8 7.270

39.0 5.886

34.5 6.747

4701711

1554172

1276988

1313618

1// 15

Element (X)

Rel. Hum.

Dry Bulb

Wat Bulb

Dow Point

TUTAL

0-26-5 (OL

12

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

72569" NATRONA CO/CASPER WY

PSYCHROMETRIC SUMMARY

STATION			51	TATION N	AME								YE	ARS					MON	ITH
																	PAG	E 1	0300-	-05C
Temp.					VET	BULR	TEMPER	ATURE	DEPRES	SION (F	1						TOTAL	1	TOTAL	
(F)	0 1 - 2	13.4	5.4	7 . 8	9 . 10	11 - 12	13 - 14	15 . 16	17 - 18 1	9 - 20 2	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31		Dry Bulb	Wet Bulb	Dew P
4/ 63		+	-		7	• 1			1.								•	1	 	
2/61:		1	!				}	ĺ		}	1	1						1	1 1	
						+	+		 								-	•		
/ 59			. }		i	• 1		;		1	1	i								
						+	• 1		 	+							19	19		
. / 55	'	• 1					• 1		1	1	į	i						, -		
4/ 53		- 4						 	 		+						15			
2/ 51	. •	5 .5	;					,	1 1	1		- 1					25			
1 49	1.	1, •4	. 9														34			
/ 47	•1 _: 2•		:				i		1		1	į		1			4 9			:
1./ 45	.5 2.		2.0		. 2	1	<u> </u>	<u> </u>									79	+		
4/ 43	.9 6.		1.5			-	.1	ξ 1		- 1							98			
2/ 41	.9 5.	6 2.7	1.5			. 2	<u> </u>	<u> </u>									93	+ 		
1 39	3.	5 3.3	1.5	• 2	ı		!			!	į						68	68	87	1
/ 37	.7 3.	2 2 . 3	1.7	• 2	L	<u> </u>			1 1			i					67			
:/ 35	.6 4.	6 1.3	• 5			,	Ī			1	7						58	58	77	
-/ 33	.6 7.	7 2.1	. 7	1	1				11		1						91	91	92	
2/ 31	1.5 7.	0 1.7	. 2			:											8 5	85	87	1
1 27	1.3 1.			: 1	i	į.		1	1	i	i	i					21	21	83	
1 27		7				1	1		1								7			
/ 25	•				i	1	1	ĺ		Ì	i	1					1 3	3	10	
/ 23							1		1								2	2	5	-
2/ 21	•	-	Ì	1		i	!	ì		1	į			,	!		į			
/ 19				·					1									1		
1 17					:	i	į	į	1	1	- 1	j					}	1	t	
7			•			 			! 								1	 	1	
TAL	6.846.	N2 1 - 4	12.2	6.3	2.5	1.5	- 5	ł	1 1	Í	ĺ	Ì					1	821		8
	0.310.	46307		<u> </u>				 	+	+							820		820	
1	1				ţ	1	i	! i	1	- }	ļ	- 1						Ţ		
		-+				 	 	 	 +	+	+						 	 	 	
1		•		: !		1	}	}	1	1								ļ	İ	
		+		 _		 	 		 								 	1	 	
			,				1	}	1	}	}						ļ		! ;	
				ļ		 	 		}	+	+		L				 	 	1	
ĺ		1	. !	i	_	1]		ı							·	L
lement (X)	2 x'			ZX		X	•		No. Obs					Mean I	da, of H	ours wit	h Tempere	ture		
el. Hum.		17186		635			15.0		8		3 0 P		32 F	2 67	F .	73 F	- 80 F	• 93	F 1	Tetal
y Bulb		79756		331			6.8		8 2				13.4							
er Bulb	11	66195		305	67		5.7		8 2				23.5							
ew Paint		49694		273			6.5		8 2				43.0				7	T -		

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY**

AIF WEATHER SERVICE/MAC

72569 STATION NATRONA CO/CASPER MY 0600-0800 HOURS (L. S. T.) PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL

(F)	0	1 . 2	3.4	5 . 6	7 . 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25 -	26 27 -	28 29 -	30 + 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pei
1 69				+					• 1				-				1	1	,	
5 / 67			_				• 2	. 4			• 1						7	7		<u> </u>
6/ 65							• 2	• 5	1						}		13	_		
4/ 63		: 				. 4						-		_			14			
2/ 61					• 2					• 1			ŀ	- 1	1		12			
/ 59				+	7			• 5	 	· +							20	20	· 	
1 57				1.1		. 7		i '				! [ļ	į			33			
5 / 55					1.8				ļ	ii							54			
4/ 53			1.0			1.6			-	1			;	1	1	1	45			
2/ 51					2.0									_		_ i	48	+		
5 / 49					1.7			1					Ì	-	İ		68			
4 / 47					1.8												78			
4 / 45					1.1		:		l 	! !	1		i				62	1		
-2/ 41			2.3		1.6					+						\rightarrow	74	74		
4 / 39							• 2		i	i		1	į	1	ļ		76 54	54	,	1
3 / 37			1.3			• 1	l		} -	 						-+	41		11	7!
3 / 37 · 35			1.3									1	ì	- 1			34	1 - 1		
3-/ 33		3.9		• • •						 		 				+	36	37		
2/ 31		3.2		ı	1 .					1			i	- 1	1		34			
3 / 29		1.2								ii		 		-+-	_+_	+	11			
2 / 27	• •	. 4			<i>i</i>		į .		ł						-		3		- 1	
~ 25					1					1		-			+		+ -		1	32
24/ 23		. 1							į				İ	Ì		1	1	1	ī	. 2
2/ 21				•	,									_			 			
7 / 19			i						i			1	i	1	ł		1			
1 / 11			1												1					
TOTAL	4.2	29.1	18.1	16.5	12.9	9.0	5.4	3.1	1.2	. 5	. 1	1	1				}	820		819
i				 	1										1		819		819	
			 										1	+-	-	+			 	
4.22				<u> </u>																
Element (X) Rel. Hum.		2 X'	6495		* x 565	00	69.0	1 A - 4		No. Ob	19		r 32		67 F	* 73 F	h Tempere	* 93 F	 ;	Total
Dry Bulb			2368		378		46.2				20	10F		6	.9	4 /3 7		+ 73 "		9
Wet Bulb			3147	1	336		41.1				19		10				+	+		9
Dew Paint			8461			81					10		37				+		-+-	- 6

Element (X)	2 _A ,	z x	X	• ₈	No. Obs.			Mean No. e	f Hours with	Temperatu	re	
Rei. Hum.	4176495	56509	69.0	18.419	819	10 F	1 32 F	≥ 67 F	+ 73 F	→ 80 F	- 93 F	Total
Dry Bulb	1812368	37882	46.2	8.723	820		5.6	.9				93
Wet Builb	1413147	33633	41.1	6.252	819		10.8					93
Dew Paint	1068461	29081	35.5	6.621	819		32.9					93

GLCBAL CLIMATOLOGY BRANCH
US AFETAC

AIF "EATHER SERVICE/MAC

72569" ILATRONA CO/CASPER MY 73-81

STATION AND STATION NAME

PAGE 1 0900-1100 MOUTAL TOTAL

Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

																			HOURS (L. S. T.)
Temp.						WET	BULB T	EMPER	ATURE	DEPRE	SSION ((F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 25	- 26 27	- 28 29 -	30 = 31	0.8./w.8.	Dry Bulb	Wer Bulb	Dew Poi
/ 79		,										• 1	,	• 2			3	3	i .	
7:1 77		: .							I		.4	-1	•1				5	5		
6/ 75		•					,			• 2	1	. 7	• 5		1	1	12	12	•	
74/ 73	1				!				1	. 5	1.1	1.1	. 6.	-			28	28		
77/ 71		1							• 2	• 5	. 7	. 4	• 1			1	16	16		
1 69	·						1	1.0	9	1.6	2.1	.1	. 2	·			49	49		
6 / 67						• 1	1.0	. 7	1.1	1.1	. 4	. 1	Í	1			37	37		
6/ 65	•					. 1	1.0	. 9	1.2	2	. 2						. 30	. 30	+	
41 63			- 1		• 5	1.1	1.3	1.1	1.0	.6				- 1			49	49		
F21 61	Ĺ			. 1	1.1	. 6	1.2	1.6	1.3	. 5	.1	1					54	54		
/ 59							2.6		• 9)[:		1		1	1	66	66	2	
51 57		.	. 1				2.0		. 6	. 2		<u> </u>					60	60		
5./ 55			. 5	• 5	1.5	2.4	1.2	1.3	• 2	2		! i			•		6.3	63	38	
4/ 53		. 2	. 2	. 9	1.1	1.1	1.3	• 6	ļ	·		1					4.5	45		
2/ 51		. 4.		. 9	1.6	1.8	1.0	• 2	. 1	li.				i			4 9	49	76	
50/ 47		.7	. 5	1.7	1.3	.7	1.1	• 5	. 1	<u> </u>		+					49		96	
1 - / 47		.1	1.0	. 7	2.2		. 4	- 1		1			i	j		1	45	45	85	3
4 / 45	.	. 5	.5	. 4	. 7	• 5	. 2			<u> </u>	L	ii					23		86	
44/ 43	. 4	1.5	1.2	1.2	• 5	. 4			ļ	1	ĺ	1		i	- 1	į	4 3	43		
12/ 41		1.3	. 9	. 1		: h				1		1		i_			21			
4 / 39		1.1	• 5	• 1	• 1		1		i	į]	1 1	į.	[ĺ	15	15	60	7
3: / 37	I	• 1	. 2,	. 1						<u> </u>						_ _	4	+	+	
1./ 35		. 7		- 1	,						i	1 (- 1			7		- '	
34/ 33		2.6								1		1					28	+	+	6
(2/ 31		1.8	- 1	i			:		:	ì	1			1		-	18	18		• -
1 / 29	. 1	<u>i</u>			i		<u> </u>			<u> </u>							1	1	14	
2 1 27	i	1		1					}	1	ł		ł				ł	1		3
71/ 25		ļ					-				L	1								3
24/ 23	Í	i i	,	i	İ	1				1			:	1	1	ļ	ĺ	1	1 .	2
'2/ 21		i i																		
7 / 19		1		į	j	į	[[í				1	1	i		i	+	1
1 / 17		<u> </u>							ļ	 		1					_	 	-	
1:/ 15	ĺ	1 :			1	i	1		1	}				!	1			1	1	
1./ 11		أججية			نـــــ				<u> </u>	<u> </u>	L	11					ـــيال	1	لسيل	
Element (X)		2 %,			t x		X	•,		No. 01	15.						th Tempera			
Rel. Hum.												± 0 F	<u> </u>	2 -	= 67 F	• 73 F	- 80 F	* 93	F -	Total
Dry Sulb	 					_+_											 			
Wet Bulb	 																 	\rightarrow		
Daw Paint	l		1			i			1		- {		ł	1			1	1	1	

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC ATE MEATHER SERVICE/MAC 725692 STATION NATRONA CO/CASPER WY 73-81 MAY 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin 1.611.1 5.9 7.113.212.614.511.0 7.8 5.5 5.4 2.7 1.6 820 820 820

No. Obs.

820

820

820

820

2 0 F

2 32 F

2.2

34.9

17.0

Mean No. of Hours with Temperature

5.4

± 67 F = 73 F = 80 F > 93 F

93

93

93

41139

45718

37263

28812

X 9, 50.220.797 55.810.910

45.4 6.575 35.1 7.351

Σχi

2418153

2646428

1728735

1356614

0-26-5 (OL A)

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dow Paint

SLUBAL CLIMATOLOGY BRANCH

GLOBAL CLIMATOLOGY BRANCH UNAFETAC AI *EATHER SERVICE/MAC

72569 NATRONA CO/CASPER WY STATION NAME

PSYCHROMETRIC SUMMARY

																	PAGE	: 1	1200-	1400 5. T.)
Temp.					*						ESSION (TOTAL		TOTAL	
(F)	0 1	- 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb D	ew Poir
· 4/ 83											1			. 4	. 4	• 2	8	8		
/ 81											i	<u> </u>	. 2	. 4	.5		9	_9,		
/ 79												• 2	.7	1.4	• 1	7	2.0	20		
7 / 77											. 2	1.1	. 7	1.2	• 1	<u>:</u>	28	28		
T6/ 75										. 4	. 6		1.8	1 . 1	• 1		37	37		
74/ 73											1.7		1.8	<u>• 1</u> ,			43	43		
7/ 71								. 4			1.2	• 9.	1.0	• 1			39	39		
/ 69					_ · - · •		• 1,	. 4	• 9			+	1				38	38.		
6 / 67				• 1		. 4	• 7		1.2			- 1					54	54		
6/ 65					• 5	• 5	. 6		3.1			,					67	67	_	
4/63					• 6,	• 5	• 5	1.8			_		i	ļ			56	56		
_/ 61				• 2	<u>• 5</u>	. 7		1.2			+		`				54	54		
/ 59					• 5	. 9		1 - 1	. 7			:		-	•		4 3	4 3	3	
- / 57				• 4	• 4	1.	1.5	1.0	. 9	• 2		├ ──				-+-	45	45	32	
5 / 55			• 4	• 1	-	2.2		1.7				1		j		,	60	60	56	
4/ 53		<u>•1</u> ,	•6	• 6	. • 6	. 7		1.2	• 5		-	++					39	39	75	
2/ 51			• 2	. 6		1.2	• 6	• 6	• 2	- 1		i		1			36	36	115	
51/49 4 / 47	. 4		1.0	• 7	. 9	• 5	• 6	• 2		<u> </u>		++					24	24	118 78	20
4 / 45		.4	.5,		• 7	.1	• 1									,	15	15:	84	2
4/ 43	• 2	•7	• 1	. 4	• 1	•••	•••		-		+	+ +					12	12	66	3
12/ 41	• 2	.7	.1	• 2	• 1	:		Ì			İ	. 1	į.				7	7	60	3
4 / 39		- 4	.2				•				1	1				-+-	5	5.	44	- A
3 / 37	. 4		. 9									1	į	1		i	20	20	25	6
/ 35	• 2	. 9	. 4	-+							 	 					12	12	22	7
3 / 33		1.1	.1	1	i						ļ	i i			İ	1	10	10	17	8
2/ 31		1.1			 +	+					 	1					9	9	12	9
3 / 29	1			1	,	1		į					1]		j			5.	6
1 / 27						+							+				1			5
7 25	i				1	1	i					1		-				1		3
24/ 23																+				3
2/ 21				. i		į	į	İ			L.		!				1	1		2
/ 19					-															4.
11/ 17			i	1	i	1				Ĺ	L			1				i	1.	1
Element (X)	I	K'		Z	X		X	" ,		No. Ol	bs.				Meen No.	of Hours w	ith Temperati	ure		
Rel. Hum.												2 0 F	1	32 F	≥ 67 F	■ 73 F	→ 80 F	→ 93 F	Te	stel
Dry Bulb						\perp												\mathbf{I}	\perp	
Wet Bulb						\Box														
Dew Point																				

. 0-26-5 (OL A) MYSED MEYICUS

JSAFETAC 1084

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 725592 NATRONA CO/CASPER MY STATION 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 21 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Poin Temp. 1 / 13 TATAL 1.2 6.8 4.7 3.8 5.8 9.2 9.211.112.9 9.0 9.1 4.6 6.5 4.7 1.2 813 813 813 813

> No. Obs. 813

> > 813

813

813

2 0 F

31.6 16.6 3.2

Total

93

93

93

1 32 F 2 67 F 1 0 31 6

1.9

42.2

33.5 7.969

33008 33008

49646

38411

27257

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Paint

ZX,

1712292

3141434

1847051

965397

GL08AL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569 NATRONA CO/CASPER by 73-81 MAY
STATION STATION NAME VEARS MONTH
PAGE 1 1500-1700
HOURS (L. S. T.)

Temp.										DEPRE							TOTAL		TOTAL	
(养)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 = 3) D.B./W.B.	Dry Bulb	Wet Bulb D	ew Poir
£/ 85								-	:	T					• 1	• 1	2	2		
4/ 33											i	'		1	. 9	.1	_ 9	9		
1./ 81			-							† — ·			. 4	. 4	. 4		9	9		
" / 79									İ		1	1	. 4	1.6		İ	18	18		
7:1 77												. 7	• 2	2.2			28	28		
6/ 75							1	. 1	1	. 2	1.0	1.1	1.2			i	35	35		
'4/ 73								.1	. 1	.6	2.2	2.1	1.1	. 1			52	52		
12/ 71								.1	. 4	. 4	1.6	. 1	1.0	1	L		30	30	`_	
/ 69							• 6	• 5	.6	1.3	2.3	2.3	1.1	1			72	72	1	
£-1 67						. 4	.6	.4	. 9	1.9							43	43:		
6/ 65					•2	. 4	. 4	1.2	1.3	• 5	.6						44	44		
44/ 63					. 1	. 5	. 4	1.1	1.2	.6	1.1	. 1		<u> </u>			42	42		
17 61				• 2	. 5	. 4	1.7	1.7	1.8	1.2	.1						63	6.3	1	
/ 59			• 1	. 9	- 1	. 9	1.7	1.6	1.1	1.5	1	. i			1	i	64.	64:	. 4,	
5-/ 57				. 4	• 7		2.2	. 9	1.1	. 5	,	:				!	57	57	28	
5// 55			. 4:	• 5	.6	• 7	1.1	9	- 5	. 4	1						41	41	53	
F4/ 53			. 4	1.2	• 4	• 5	1.2	1.3	• 5	. 1	,			:			4.3	4 3	82	
72/ 51		. 5	. 7	. 4	• 6		• 7	. 5	. 1	.1	i	·	_	İ			37	37	106	1
5L/ 47		• 5	1.0	• 5	.7	• 2	• 2		. 1		1			1			27	27	116	11
4-1 47	• 2	. 5	• S	. 5	• 5	• 5				L	<u> </u>			!	L		22	22	108	2
4: / 45		• 1	• 1	• 5	• 7												12	12	86	2
44/ 43		. 2		• 1					<u> </u>	<u> </u>		<u> </u>		i	!		3	3	65	3
2/ 41	• 2		. 9	. 4					!								19	19	55	4.
4 / 39		.7	. 4			1			L	L				<u> </u>			9	10	40	6
3-1 37	• 1	. 9	. 6						Ì							ĺ	13	13	30	6
⁷ (/ 35)	• 1	. 7	• 2						Ĺ	1							9	9	23	
3-/ 33		1.1	• 1						l		}	} }				ļ	10	11	8	8
12/ 31	. 4	. 4								L				·			6	6	12.	9
7 / 29	• 1	. 2	i	{					}	}							3	3	3	6
251 27									<u> </u>	L	L								Z,	5
ੋਂ 1 25	ļ		÷	į										i i			- i	1		4
24/ 23																				3
2/ 21			1		ļ				}		ļ							į		3
3 / 19						ل				L	Ļ.,,			<u> </u>	بليل			ابا	<u> </u>	2
Element (X)		z _x ,			X		I	•,		No. OL	9.						rith Temperat			
Rel. Hum.												101		32 F	= 67 F	≥ 73 F	- 80 F	+ 93 F	Te	tel
Dry Bulb						\perp			$-\!\!\!\!\!+$						<u> </u>			 		
Wet Bulb																		—		
Dow Paint			- 1			1			1		- 1				[1	1	1	ì	

- AA 64 0-26-5 (OLA) mystoney

UŠAFETAC rom

GLCBAL CLIMATOLOGY BRANCH

73-81

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIA MEATHER SERVICE/MAC

NATRONA CO/CASPER AY

725693 STATION

PSYCHROMETRIC SUMMARY

																		PAG		1500-	. S. T.)
Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	⇒31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
1 / 17										1										, ,	1
1:/ 15			ĺ					1	l I	1	[1	11		i		i		1	
1-/ 13							,			T											
1 / 11		·			1			1		i	i	1 .		i .i			L		1		
1/9				*	+						:		-				Ţ				
1 7			· !		: !			1		1.		i	i i		l L			1			
/ 3					!								-				T	Ī	1		
OTAL	1.2	6.7	5.4	5.5	5.2	6.4	10.8	10.0	9.1	9.4	9.2	8.0	5.4	4.7	2.1	. 2	<u> </u>	i	824		82
		•	*	-	•		1			1		1	1				Ţ	822		822	
i					i i		1	1		ì	1	į	1	1				}			
		•		•	1															[
1							i		:		İ		l	1 1			-	İ	1		
							!			+			1			T	1	1		;	
							į.		1	1		:			İ	1	i	İ		!	
		+		•	†						!		1				!		•	 	
			1		<u>.</u> j		:		ĺ	i			İ			1	i				
+			:				!			 	+					 	 	1		•	
							i	1		l	1	1	1			i	ł	!		: '	
				•			 	 		+			 	1 1		!	1	†		+	
							1	-		}	!	ì	j	j j		ļ	1	ì		٠.	
					 +		 	 		-	 		 				+	 		+	
1					!				ĺ	1	1	1		!!!		[1	i			
~- -			·		+		 -	 	-	+	 	 					+	 	 	• •	
		:			1		1			1	1		1)				
					+		 	 		 	 	 	 	 		 	┼	 	 	+	
		j	1						İ			ļ		l i		i			1		
				+	1		 	 		+	 	 -	 				 	 		+	
İ			1	1	: [1	1	1	1				i						
		 -	+	+	 		 	 		+		 -	-	 			+	 			
1		}	1	1	; ;					1	1	ļ	j	: !]	1	}		i	
		 	 	+	1		 	 		 		 	 			 	+	 	 	+	
·		!		1				{		[1			!	 	ĺ		1	1	:	
+		-		+	 		 	 		 		-	├──				+	 	 	+	
1		:		į			1	1	}	1		1	1				}]		
Element (X)		2 2,	Ь	\vdash	Zz	_	┰	- F		No. OI		L	<u> </u>	لـــــــن	Man I	No. 48 N	laure =10	h Tempere			
Rel. Hum.			0626		332	72		22.1			22	£ 0	•	s 32 F	* 67		73 F	- 80 F	• 93	. 1	letel .
Dry Bulb			1800		504			11.6			24	- 2 0	-	1.0	33		17.3	3.			9
Wet Bulb			3718		389			6.1			22			1.9	 -			 		_	
			1750		279	- '		8.3			22			42.7				 			
Dow Point		7 (7130	1	217	49	33.	0.3	70		56			7601	ــــــــــــــــــــــــــــــــــــــ						

GLCPAL CLIMATOLOGY BRANCH USAFETAC ATT HEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569 NATRONA CO/CASPER MY
STATION STATION NAME PAGE 1

1800-2000 HOURS (L. S. T.)

Temp.						WET	BULB	TEMPE	RATURI	DEPR	ESSION	4 (F)							TOTAL		TOTAL	
(F)	0	1.2	3 - 4	5 - 6	7 - 8								22 2	3 - 24	25 - 24	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb		Dew Pa
4/ 83		+		+	!	1		+	1						• 1		 	 	1	1		
/ 79		:	I		1	1	•	1		E	!		. 1	1	.4		Ì	1	<u> </u>		!	
7 / 77					+	+	•	†	+	+		 -		. 4	• 1		 	† 	+ 3	4		· · · · · · · · · · · · · · · · · · ·
6/ 75					i	!		:		i	1 .	2	. 2	.7	. i	i	İ	i	11	11		:
4/ 73		 	•	•	+	! 	<u> </u>		• 1	1		6	7	. 5		+	 	i	19	19		
72/ 71		:										_!	- 1	.1	1		i	1	19	19		f
- / 69					 -	• 1		- 4	5			_	7	. 1		+	+	+	30	30		
6 / 67					1	. ••		5					4	• •			į.		33	33		
6/ 65				+	+	- 1	. 5		+			_	1			 		-	38	38		-
4/ 63:						5	!	1 .		-		7,	• •	i		1		ļ	53	53		
67 61				. 1	. 5	+	1.3			-		4	\vdash			 	 	 	45	45		
· / 59				2	1				1	_!			-					1	38	38	•	
£ / 57		•2	•1								•	*	+			 	 	 	62	62	8	
5 / 55		• 4	9		1				1 -	1	>					ĺ	:	1	74.	74		
4/ 53		.7						+				+	-	-+		 	 	+	71	71		
2/ 51		. 1				1	1				•	i				1		i	49	49	87	
50/ 44		1.2				+					+	+-	-+-			 		 	58	59		
4 / 47		1.1	1.1	9		,	1 -		,	•			- :				Į.		40	41	115	-
4 / 45	. 4	1.2			+				 	+	+-	+	+	+			 	 	55	55	100	4
14/ 43	• •		7						1	ì	1		Į	j		j	j)	26	26	91	4
42/ 41	. 4	.6		1.0		1		†	 	+		+	-+-						23	23	79	
4 / 39	•	4			1		ì	į	ł	1			-	ŀ		1		Į	17	17	54	
3 / 37		. 4				 	!	 	 	† 	+	 	+			 	!	†	9	9	39	
31/ 35		1.3			1	i.	l I	!	į					- 1		1	i		12	12	38	e
3 / 33	• 2	1.6			1					+	_	+-	-+-	1					15	15	29	
2/ 31		1.2			!		i	1					Ì	Ì		İ	Ì	ĺ	13	13	17	
3 / 29		. 2		·	1					1	†	+	+	-				†	2	2	4	
2 / 27		. 1		t		1		ļ						1					ī	ī	3	
/ 25				-	1				<u> </u>		_		+						†	1		3
24/ 23			1	1	1			l		1		1	- }	1		(}	1	•		_ 2
2/ 21					1					1	_	+	\top									ī
/ 19			İ		ĺ	į.					1	1		- 1		1						1
1/17																			1			1
14/ 15											1	-	1			1						•
Element (X)		2 4,			Z X		X	•,	\top	No. C	bs.	T			-	Mean I	No. of H	ours wit	h Temperat	w70		
Rel. Hum.												1	0 F		32 F	= 67	F	73 F	- 80 F	+ 93 1	-	Total
Dry Bulb																			1	1		
Wet Bulb												T	_	\top			7			1		
Dew Point								-				+				 			1	+		

GLCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER WY
STATION NAME 73-81 1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) 1'/ 13 1 / 11 1.310.810.6 9.011.111.410.610.3 8.8 5.8 5.1 2.4 1.8 822 TOTAL 825 822 25468 8 2x 1 51.022.208 55.010.421 No. Obc. Mean No. of Hours with Tomporature Element (X) 822 *67 F *73 F *80 F *93 F 13 .6 4 4 .2 Rel. Hum. 5 0 F ≤ 32 F 1.9 4.4 2587648 45398 825 Dry Bulb 1695486 36996 45.0 6.085 822 2.7 93 Wat Bulb 1036050 28444 34.6 7.942 93 822 35.6 Dow Point

GLEGAL CLIMATOLOGY BRANCH USAFETAC ATR HEATHER SERVICE/MAC PSYCHROMETRIC SUMMARY 72569 NATRONA CO/CASPER WY
STATION NAME

2100-2300 HOURS (L. S. T.) PAGE 1

Temp.			_							E DEPRI						TOTAL		TOTAL	
(F) J	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 25 - 26	27 - 28 29	- 30 × 31	D.S./W.S.	Dry Buib	Wet Bulb	Dew Pair
14/ 73					•				. 1	1				7		1	1		
1/ 71		1				ĺ		i		il	1	1 1		1 1		1	i	1	
1 69							-	•1		. 1		1		!		2	2	,	
6 / 67		1				i !	1	1		.1		1 1	İ		1	2	2	1	
6/ 65		+					+	• 2			. 1	1				5	5		
4/ 63							Ú 5								1	. 8	. 8	i :	
. 2/ 61					•1			- 2	1.1			+		1		18	18		
/ / 59					• 6							1 1	į.	1	1	30		1 ,	
5-/ 57		.1		. 1	1.2					.1		1			1	36			
5 / 55							1 . 2				!	İ			1	65	,	-	
4/ 53			1.0		1.3					+	1	1		T		51			1
2/ 51				1.2					1	:	i	1 1	1		1	65		1	_
5 / 49	. 4	1.9	1.0	2.1	1.1				+	1	 	!				58			17
4-/ 47				1.8			- 1	i		}	1	1 1	1		!	75			_
4 / 45	• 2	3.0							1	1		1				8 2			55
4/ 43				2.2							i	! .	Ì		1	91	1		57
12/ 41	.2	2.3						1	<u> </u>	1		+				52			63
4 / 39				1.1			- (ĺ	ĺ	1	ĺ	ĺí	1	1 1	- 1	49			75
3 / 37	• 1	1.2			.4		1			1						42	42		75
7// 35		2.3			-		1	l		1	i	1 1				30			76
3. / 33	• 1	3.0	• 2	•1			1			1		1				29			82
72/ 31	1.2	1.5					1	l	1	ĺ			i		1	22	22	40	
1 / 29		.7						1		1						6			
7:1 27		.1		:			ł	1			ļ		1			1	1	6	44
/ 25										1						1			33
24/ 23)		1 .				1		1		} }	l	1 1		1		1	1.7
2/ 21										1		1				7			14
/ 19							1	1		}	İ			1				i.	9
1 / 17							1			1							1		5
1:/ 15		1		i '					}	1	1			}	-	Í	1		2
14/ 13								1								1			2
TOTAL !	2.4	24.1	22.7	14.9	13.6	9.	5 5 . 6	3.5	2.6	1.0	.1	.] [i		1	ł	821	1	821
							T			1						821		821	
Element (X)		Ey.			2 x		1	•,		No. Ol	L			Mana Ma	of Hours wit	1 Tomason		ii	
Rei. Hum.			5639		548	E 7	66.6				21	101	1 32 F	# 47 F	≥ 73 F	- 80 F	> 93		[etel
Dry Builb			2611		386		47.1				21	2 0 1	3.3				+ - 73	`-+- '	93
Wet Bulb			2219		340		41.5				21		7.0			`	-+		93
Dow Point			0181		290		35.4				21		33.9						93
DES FORM		101	0101		£ 7 U	9.4	2007		461				1 3367	·	ــــــــــــــــــــــــــــــــــــــ				7.2

GLCRAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

ť,

PSYCHROMETRIC SUMMARY

2569	N A	TRON	A CO		PER					73-	81			YE	ARS				MON	A Y
																	PAGE	1	HOURS (L L L. S. T.)
Temp.								TEMPER									TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 + 3	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
6/ 85		İ			l i	!	·	Ì			1	1			•0	•0	2	2		
4/ 83		<u>i</u>	<u></u>					<u> </u>						. 1	• 2	•0	18	18		
/ 81						i		i		i	1	1 1	• 1	• 1	• 1		18	18	!	
' / 79						<u> </u>					<u> </u>	• 1	•1	. 4	• 3		45	45	ļ	
7 / 77					!			_			• 1		• 2	. 4	1	ţ	6.5	65	[]	
6/ 75		+				ļ		• 0		• 1	• 2	. 3	. 5	• 2	• 1		95	95	-	
4/ 73		i						•0	.1	• 3	1		• 5	•0			143	143	i	
1/71								• 1	• 2	• 3	.6		. 3	•0	1		105	105	1	
/ 69			:			0			! .		l		• 2		1		192	192	: '	
61 67				•0		1	• 3		1.6	.7	. 4	•2			 -		178	178	 	
4/63					• 1	,	• 3	1 -			.3	1				i	197	197	! !	
12/ 61		+	-		. 2		• 6		• 8	. 4	.4	•0					224	224 251	-	
/ 59			• 0	•1	· .			1	.8	.4	.0	1 1					251		2	
5 / 57	-	.0			• 4		1.1	• 7	• 5		• •	+					268 307	268 307	10 80	
5./ 55				.6	9		.9	l .	4	•1						í	397	397	170	
4/ 53		• 2	• 7		.8		• 7		• 7	.0		 			-		347	347	317	
2/ 51		. 5	. 8	. 8			.6	1 -	.1	.0							361	361	458	
50/ 49	• 1	1	. 8		1.1	.5	• 5		•1		<u> </u>	++					359	360	572	10
40/ 47		1.2			1.3	.6	.1	.0	•••		ĺ	1					410	411	593	19
4 / 45	3	1.6		1.3	.9		• • • • • • • • • • • • • • • • • • • •	•0			 	++					423	424	666	21
44/ 43	. 3	2.7		1.1	. 8		.0		:			!				Ì	431	431	675	3
2/ 41	• 3	2.4		1.1	. 4		• 1					1					367	367	694	41
4 / 39	• 0	1	1.4	. 8	.2							i		: [271	272	548	60
3-7 37	• 3		1.6	• 5	•1							 					270	270	419	61
3(/ 35	. 3	2.1	. 9	. 2	• 0									.	ļ		228	228	382	67
34/ 33	• 3		. 5	• 2								1					279	281	395	61
2/ 31	.7	2.4	. 4	• 0												j	229	229	301	80
3 / 29	• 2	. 6	- 1														59	59	190	5
7-/ 27	•0	• 2					ı					1	ł			1	13	13	66	41
^5/ 25		- 1										T					4	5	15	29
24/ 23		• 0											İ			- 1	3	4	6	20
~2/ 21																				15
7 / 19															i	i_				13
Element (X)		ZX,			Z X		X	₹	\perp	No. Ob	s.				Mean No	of Hours	rith Temperati	100		
Rel. Hum.												1 0 F		32 F	≥ 67 F	≥ 73 F	≥ 80 F	- 93	F 1	lete!
Dry Bulb																				
Wet Bulb																				
Dow Point											-		\top					T		

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIC WEATHER SERVICE/MAC 725697 STATION NATRONA CO/CASPER MY WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.B./W.B. Dry Bulb | Wer Bulb | Daw Point 1 / 17 1 13 3 2.921.314.410.6 9.8 8.4 7.4 6.3 5.4 3.9 3.6 2.2 1.9 1.3 TOTAL 6559 6559 () **(**+ C Z X' No. Obs. Element (X) Mean No. of Hours with Temperature = 73 F = 80 F = 93 F 385114 58.723.966 6559 6567 Rel. Hum. 26378910 s 32 F ≥ 67 F Dry Bulb 18196125 35.1 97.5 43.7 7.0 744 Wet Bulb 281889 43.0 7.072 6559 12442839 65.6 303.1 744 225785 8131765 6559

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725691 NATRONA CO/CASPER MY 73-81 STATION STATION NAME 0000-0200 PAGE 1 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wer Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 71 . 1 • 3 • 1 • 1 / 69 13 • 6 13 6 / 67 .3 1.0 . 1 15 • 1 16 • 3 6/ 65 1.0 • 5 19 4/ 63 1.1 1.3 • 6 • 5 31 31 7/ 61 . 4 37 37 .9 .8 1.5 1.3 · / 57 7 1.6 . 8 • 6 59 59 ·4: 1.5, 1.8, 2.5 1.6 1.7 .6 78 78 13 5 / 55 .9 3.7 2.8 1.6 1.9 91 91 . 6 38 6 4/ 53 .8 1.9 3.5 1.8 1.1 77 76 2/ 51 .1 1.4 2.1 2.0 1.9 70 70 81 30 5 / 49 .1 1.8 1.8 2.7 1.1 97 70 70 57 1.4 2.8 2.5 • 3 1.4 66 66 101 4./ 45 .3 1.4 2.0 2.1 • 5 • 3 53 53 84 66 () -4/ 43 .1 1.5 1.5 35 35 96 1.8 1.9 52/ 41 . 1 31 31 73 39 • 5 1.8 20 20 57 () } 3 / 37 11 40 11: 86 35 •1 . 4 5 5 16 87 3: / 33 . 4 11 0 27 31 1 29 7 1 27 18 ° / 25 24/ 23 2/ 21 1.414.521.821.114.8 9.8 7.1 5.3 2.9 ₹ 793 792 792 792 ತ 0.26.5 12 51451 No. 0bs. Mean No. of Hours with Temperature 3579763 65.017.322 Rel. Hum. ≥ 67 F = 73 F - 80 F s 32 F 53.0 7.576 46.5 5.684 40.4 7.185 2269496 41996 793 90 Dry Bulb •1 1740195 36851 Wet Bulb 792 • 5 90 90 1333849 32001 792 11.4

 \mathbf{O}

1)

0

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER MY NUL 73-81 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | e 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) . / 71 . 1 6 / 67 6/ 65 • 1 4/ 63 . 6 - 3 - 3 . 1 16 16 1 61 . 6 .4 . 3 22 59 . 9 .3 1.0 • 3 . 1 25 25 / 57. .4 .1 1.4 1.3 1.3 .8 2.3 1.6 .5 2.0 1.4 1.3 1.3 1.0 47 47 5 / 55 67 67 11 5 1.4 3.9 1.4 2.1 82 2/ 51 4/ 53 26 76 .4 2.4 2.9 2.1 1.9 18 77 . 6 . 3 1 49 .1 3.3 2.6 2.1 • 5 • 3 73 87 50 . / 47 .3 2.1 3.3 2.0 . 3 70 70 94 . 6 62 4 / 45 3.0 5.9 1.8 1.3 97 97 103 78 4/ 43 .3 3.1 3.1 1.1 67 67 97 59 3.1 2.3 99 2/ 41 46 46 81 4 / 39 2.3 1.1 • 1 29 29 68 79 .6 1.6 1.0 27 27 63 105 ./ 35 .3 Z.O 91 21 21 3 / 33 58 2/ 31 41 7 / 29 22 (/ 25 2:/ 23 2.026.528.715.1 9.7 8.4 5.0 2.8 1.3 .4 797 797 TOTAL 797 ತ Mean No. of Hours with Temperature Element (X) 21 Z x No. Obs. 71.117.055 ±67 F = 73 F = 80 F = 93 F 4255189 797 s 32 F Rel. Hum. 56629 5 0 F 49.7 7.346 44.7 5.614 39.8 6.726 Dry Bulb 2007946 39574 797 1.4 90 1.0 1614803 35595 90 Wet Bulb 1296613 31697 11.7 90 Dew Point

į

GLOBAL CLIMATOLOGY BRANCH USAFETAC AID WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

72569"

PSYCHROMETRIC SUMMARY

STATION STATION MANE 3600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 7 81 2 1 79 7 / 77 • 1 • 3 • 3 . 1 6/ 75 • 5 • 3 73 . 1 14 14 "/ 71 . 5 24 1.3 22 1 69 • 5 • 6 . 8 . 4 22 6.7 67 .4 1.5 1.5 . 4 46 6/ 65 1.1 1.4 1.4 1.3 48 4/ 63 .3 1.1 1.4 1.3 1.0 48 48 53 12/ 61 .5 1.9 1.1 1.3 • 3 • 5 53 11 • 6 1 59 .5 1.9 2.8 2.6 80 80 1.4 18 1 57 •4 1.0 2.0 2.1 3.3 •6 2.3 3.1 1.9 2.0 • 9 9 • 5 81 81 45 5: / 55 86 86 75 . 6 4/ 53 .8 1.3 2.0 1.6 . 9 55 55 103 23 2/ 51 .6 1.0 1.1 1.1 38 38 111 34 5 / 47 .4 1.1 2.3 1.6 1.3 . 3 55 55 101 73 .9 1.9 1.0 6-7 47 39 97 69 . 1 4 / 45 1.0 1.5 32 32 71 99 . 6 . 8 4/ 43 . 9 - 4 61 80 • 1 2/ 41 13 40 . 8 • 1 4 / 39 .1 1.3 78 . 4 37 19 83 ./ 35 . 5 33 37 72/ 31 36 7/ 29 16 21/ 27 9 · / 25 9 2-/ 23 2/ 21 Ž 16/ 19 1-/ 15 Element (X) Mean No. of Hours with Temperature ±67 F = 73 F = 80 F = 93 F 3 0 F s 32 F Rel. Hum. Dry Bulk Wat Bulb Dew Point

73-81

0-26-5 (OLA) service revicus selectors of this foun all out

SAFETAC PO

SLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 7.7569 NATRONA CO/CASPER WY 73-81 PAGE 2 0600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Daw Point TITAL . 8.914.415.417,514.2 9.6 7.9 3.9 3.7 1.6 1.1 .6 .4 794 794, 794. X ... 58.918.048 Element (X) No. Obs. Mean No. of Hours with Temperature ≥67 F = 73 F = 80 F = 93 F Rel. Hum. 3014136 46778 794 2 0 F ≤ 32 F 14.7 4.3 Dry Bulb 2704282 45820 57.7 8.706 794 . 3 49.4 5.686 Wet Bulb 1959568 39186 794 90 794 Dew Point 1439053 33351 90

GLEBAL CLIMATOLOGY BRANCH USAFETAC Al- WEATHER SERVICE/MAC

NATRONA CO/CASPER AY

72**569**

í

PSYCHROMETRIC SUMMARY

JU4 M2N1m STATION 0903-11 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb De-1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) / 71 , 5 4 4 / 89 8/ 87 . 3 8 • 5 8 . 1 . 1 6/ 85 . 4 18 4/ 83 • 3 1.1 . 9 .5 . 4 26 26 . 1 / 81 .8 1.0 27 27 . 5 . 8 / 79 .3 1.7 1.4 1.3 1.8 . 4 48 48 .9 1.1 / 77 .4 1.5 1.1 46 46 c/ 75 .6 1.5 1.6 1.8 1.3 61 • 1 61 • 8 4/ 73 1.4 1.6 2.0 2.4 66 66 71 .9 1.0 2.5 1.8 1.1 .8 68 68 .5, 1.8 2.0, 1.4, 1.3 64 / 69 • 6 • 1 64 .4 1.4 1.6 1.3 55 55 n / 67 • 6 . 1 6/ 65 .3 1.4 1.5 1.4 1.0 • 5į 51 . 1 .6 1.9 1.9 1.0 57 57 12 4/ 63 • 8 • 1 . 8 / 61 . 9 .8 1.5 40 40 45 . 6 5.9 .6 . 9 1.6 34 34 96 / 57 29 29 .8 1.0 • 5 112 . 4 . 8 18 5 / 55 • 3 • 3. 1.3 29 29 125 .6 .6 • 3 4/ 53 . 3 . 8 15 15 105 13 . 1 2/ 51 . 8 73 33 • 1 5 / 40 9 79 . 6 9 63 . / 47 47 . 4 53 4 / 45 30 82 • 1 4/ 43 • 1 1 34 72 1 27 41 17 70 . 1 / 30 78 . 1 7 / 37 . 3 87 / 35 • 1 54 3 / 33 48 31 46 1 27 26 21 / 25 13 Element (X) = 47 F = 73 F = 80 F = 93 F Total s 32 F Ret Hum. 2 0 F Dry Bulb Wer Bulb Des Paint

73-81

MEYICUS EDITIONS OF THIS POBLE ARE DESCRETE NINE . 0 26 5 10L A)

1 2 USAPETAC

GL'BAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATH WEATHER SERVICE/MAC NATRONA CO/CASPER WY 73 - 810900-1100 HOURS IL. S. T.I PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 2/ 21 2 1-/ 17 1.6 1.5 5.9 8.213.112.712.811.8 9.9 5.8 7.1 794 794 794 (OL A) 0.26-5 (Element (X) No. Obs. Mean No. of Hours with Temperature 38.415.512 69.1 9.819 53.5 5.625 40.6 7.720 1364248 30524 794 2 32 F 267 F > 73 F > 80 F + 93 F Rel. Hum. 10F 3866219 2297503 Dry Bulb 54855 794 56.2 35.0 12.8 90 42477 794 90 Wet Bulb 90 Dew Paint 1357648 32256 13.5

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

NATRONA CO/CASPER MY

72569"

ť.

PSYCHROMETRIC SUMMARY

JUN

			•	1 A 1 1 UM 14	-ME														-	J
_							_		_								PAG	E 1	1200 Hours	1-142
					WET	BULB .	TEMPER	ATURE	DEPRE	ESSION (F)						TOTAL		TOTAL	
0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew P
					1			i					1			.1	1	1	i	1
	1				ĺ	1		•				l .				1.1	9	9		1
	·							•					!	• 1		1.5	13	13	-	-
	i				!	į.	!					:	ì	• 5	1.5			30		
						 				_	. 1	• 1	1.0							+
					i	i	:		:		. 3	1.3	2.0				65	65		
				.		·		:		• 3	2.3						77			
									!	1.3							61	61		
				-			• 1	:	. 5								+	+	-	1
					:	(. 56	56		
		•				. 1							. 1	1		1				†
						:							. 1	. 1	I I	į				
	+				. 1	• 3								1						+-
					- -	i								. 1			34	34		
				.1				.6	1.4	. 8		• 1	-		1					+
				:										!						į
	-	•1																		
			• 1	1	. 1	. 4		1		1				i			21			
	• 1	• 1	• 3										<u> </u>				21	21	110	1
		• 3	• 1	i	- 1	. 6	. 1	. 1	. 3	ĺ	í		l .	ĺ	i	1	13	. 13	144	
	+	. 3 ,	• 3		. 4	.9			.1	1						!	15	15	101	
	• 1	. 3		• 3	. 4	. 1	!	i	i	!			1			1	9	9	103	3
	·	•1		• 1	• 1	-								<u> </u>			3	3	82	!
	- 1	. 5	• 1			1		. !						J			6	6	67	rj.
	• 3	• 1	• 1			-		-						1			4	4	27	,
	• 3									1						i	2	2	35	ń
														_				<u> </u>	18	1
	- 1				!	1				1							1	1	10	},
• 1	1																1	1	4	1
	• 5			1		i !				i						İ	4	4	2	
																			2	
		1				İ												ĺ	i	ĺ
																	T		1	1
																	İ		1	1
	Zx'			Z X		X	₹ ,	\top	No. Ot	n. [Mean I	to, of H	ours wif	h Tempera	ture		
											± 0 1		32 F	≥ 67	F a	73 F	≥ 80 F	• 93	F	Total
	• 1	-1 -1 -3 -3 -3	1 1 1 3 3 1 3 1 5 3 1 1 5 3 1 1 5 5 5 5	0 1.2 3.4 5.6 1 1 1 1 1 1 1 3 3 3 1 3 1 3 1	0 1.2 3.4 5.6 7.8 1	0 1-2 3-4 5-6 7-8 9-10 -1 -1 -1 -1 -1 -1 -1 -1 -1	#ET BULB. 0 1.2 3.4 5.6 7.8 9.10 11.12 -1 3 -3 3 -1 1 1 3 -1 3 4 66 -1 1 1 1 4 66 -1 1 1 1 4 66 -1 1 1 1 6 6 -3 3 1 -1 6 -3 3 3 4 1 -1 3 -1 1 1 1 -1 -1 1 1 1 -1 -1 1 1 -1 -1 1 1 -1 -1 -1 1 -1 -1 -1 1 -1	### BULB TEMPER 1	WET BULB TEMPERATURE	## BULB TEMPERATURE DEPRIOR 1	WET BULB TEMPERATURE DEPRESSION (0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20	WET BULB TEMPERATURE OEPRESSION (F) 0 1.2 3.4 5.4 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22	WET BULB TEMPERATURE DEPRESSION (F)	WET BULB TEMPERATURE DEPRESSION (F)	NET BULB TEMPERATURE DÉPRESSION (F)	NET BULB TEMPERATURE DEPRESSION (F)	NET BULB TEMPERATURE DEPRESSION (F) 1	PAG Vet bulb temperature depression (f)	PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL	PAGE 1 1200 100

73-81

USAFETAC FIGUR 0.26-5 (OL.A) REVISE PREVIOUS EDITIONS OF THIS FORM ARE DISCUSSE

Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER WY 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL
1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 * 31 D.S.W.B. Dry Bulb Wet Bulb Dew Point 30 2 / 27 2 / 25 2 / 23 19 12 2/ 21 1 / 1^c 11/ 15 5 1 / 11 TOTAL 1 1.5 1.8 1.0 1.0 1.9 4.0 5.2 7.210.610.712.0 9.310.7 9.7 6.9 6.3 793 (OL A) 0.26-5 Element (X) No. Obs. 22260 59920 28.115.451 75.610.588 54.7 5.214 Rel. Hum. 813924 793 ≥ 67 F = 73 F > 80 F + 93 F 10F 132F 90 793 72.4 59.6 37.5 Dry Bulb 4616420 96 43342 793 2390422 90 37.2 8.054 Dew Paint 1149933 29515

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF "EATHER SERVICE/MAC

NATRONA CO/CASPER WY

72569

STATION

PSYCHROMETRIC SUMMARY

PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 -31 D.B./W.S. Dry Bulb Wet Bulb Dew Point (F) 6/ 95 3 . 6/ 93 1.8 / 91 22 .1 2.7 22 / 89 1.0 2.4 28 28 -E/ 87 1.5 2.8 2.3 • 6 62 62 3.1 2.2 1.4 6/ 85 .8 1.7 72 72 C4/ 83 • 6 .3 2.4 2.4 1.3 . 8 63 63 ./ 81 1.8 1.7 1.1 56 56 .4 1.0 1.0 . 9 56 3.3 • 5 56 7. / 77 . 8 .6 1.7 2.7 . 8 . 3 59 59 6/ 75 .4 1.0 .6 2.7 2.0 . 1 58 58 • 1 .9 1.0 74/ 73 . 1 .6 1.3 1.4 46 46 71 . 9 .6 1.1 32 32 . 8 .9 1.7 / 69 6.1 67 1.7 31 31 • 3 . 1 -6/ 65 . 6 . 6 1.3 28 28 . 9 4/ 63 • 5 . 5 27 27 18 2/ 61 .1 17 17 46 93 14 14 E ./ 57 12 12 156 5 / 55 . 3 15 116 6 4/ 53 . 1 . 3 7 10 123 2/ 51 8 8 65 11 5 / 49 . 3 69 31 . 6 / 47 .1 38 31 4 4-/ 45 . 3 29 4/ 43 16 39 44 79 2/ 41 . 3 20 8 3-/ 37 78 1 35 63 34/ 33 68 2/ 31 95 3 / 29 54 Element (X) No. 06s. Mean No. of Hours with Temperature s 32 F Dry Bulb Wet Buib Dew Paint

73-81

1.26-5 (OL.A) arristo merrous somons c

SAFETAC ROLL

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATR WEATHER SERVICE/MAC 725693 NATRONA CO/CASPER MY
STATION NAME 73-81 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 +31 D.B./W.B. Dry Bulb Wei Bulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) (F) 2 / 27 2-/ 25 2-/ 23 38 2/ 21 2 / 19 1. / 15 1-/ 13 1.7 1.4 2.8 3.6 3.9 5.6 9.3 8.4 9.910.211.1 9.2 7.611.8 785 785 X 27.116.826 76.111.058 Element (X) ZX No. Obs. Mean No. of Hours with Temperature Rel. Hum. 796935 21245 785 ±67 F = 73 F = 40 F = 93 F 4 0 F ≤ 32 F 59736 4641594 785 Dry Buib 61.8 39.9 90 Wat Bulb 2344188 42718 54.4 4.996 785 90 36.0 8.273 Dew Point 1069651 28241 90 785

0-26-5 (OL A) sevisto mevicus fornom of this noting age obsourts

ETAC NORM

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH HEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569 . STATION NATRONA CO/CASPER WY 73-81 1800-2000 HOURS (L. S. T.) PAGE 1

Temp.							WET	BULB '	TEMPER	ATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	-	0	1 . 2	3.4	5 . 6	7 . 8							21 - 22	23 - 24	25 . 26	27 - 28	29 - 30	+ 31	D.B./W.B.	Dry Bulb		Dew Paint
-/ 5	93					<u> </u>		111	1	1.5	1	-	 					• 3	+	2		
1							,			1		}	} †	!	1	}	į	.4	1	3	1	
/ (•		!		 	 		-		 	 	• 5		+	9		
8/ 8						J.		1	-	ì		1	1			.6	.3		1	13.		
6/ 8								+	 	 	 	 		. 4	. 8							,
.4/ 8							į	ì	1	1	1	í	. 3	,	1.8	J	• 8	,		34		
721 8								·			• 1	.8							34	34		
17								<i>)</i>	1		. 3			• 5				{	37	37		1
7 / 7	77							1		. 3	. 8							1	52			
6/ 7	75							. 3	.3	. 9			2.4	.6		1 .			59			
74/7	73					• 1		.1			2.4	2.0	1.1	. 8				!	65	65		
21 7	71						1	.6			1.8			. 4		1	ļ		64	64		
1 6	69						• 3												48	48		
60/ 6					. 1	. 5	1.3	. 8					. 4	1	i	ĺ		1	60	60	1	1
.6/ 6	65				.1	.4	.6	.6		1.5	.9	• 3	. 3		!	1		+	52	52	1	
.4/ 6						• 5	1.0	. 1	1.1	. 6		.5	}	i	1	ł			37	37	6	i
121 6	61				. 8	• 6			•6	. 9	.1	,			1	1		1	32	32	26	!
/ 5						• 6	1.1	1.1	1.0	. 3	1	.1		ł	1	l		1	34	34	70	1
5-1 5					• 3	• 4	. 4	1.1	.6	. 4					1				25	25	108	2
50/ 5				. 4	- 6	• 5				. 1		1	1 1	ł	}	1		1	27	27	124	7
4/ 5			• 3	. 3		. 4	. 4	ļ —	• 3	• 1									13	13	122	14
2/ 5			. 4		. 6		. 4			L	1				Ĺ			<u> </u>	15	15	96	
5. / 4			. 3	. 9	• 5		• 3	• 3			1					Γ		,	17	17	67	
B F / 4	_ 1 1			. 9				L		Ì	L	Ĺ	ii		l	ļ	L	i	12	12	55	
46/ 4		1		• 5	• 3			:		Ţ									6	6	51	49
-4/ 4			. 3						Ĺ	L			Li		<u> </u>	L		Ĺ	3	3	32	52
2/ 4	- 1		• 5	• 1						1			1 1						5	5	14	69
4 / 3		• 1	- 1			-				L	L				<u> </u>				2	2	13	87
35/ 3			. 4	1		į į			}		1	1	1 1		i	}		1	3	3	6	101
36/ 3								<u> </u>		L								<u> </u>				72
34/							İ.)	}	}	1		1	i I	1	1 :	1	į	} ;	,		39
72/ 3						 									<u> </u>			L				51
31/2	- (1								1		}						1	. !	1	38
2+/ 2	_		السبي			لـــــا				<u></u>	l.,							L	11			31
Element (Z _X ,			ZX		<u> </u>	•		No. Ol								Temperal			
Rel. Hum.									<u> </u>				: 01		32 F	= 67	<u> </u>	73 F	- 80 F	- 93 F		Tetal
Dry Bull									<u> </u>	_									ļ		\longrightarrow	
Wes Bulk																			L			
Dow Poin	14																		<u> </u>			

GLUBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC NATRONA CO/CASPER MY JUN PAGE 2 1800-2000 HOURS (L. S. T.) TOTAL TOTAL D.S. W.B. Dry Bulb Wet Bulb Dew Poin WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 / 25 24 21 23 2/ 21 / 1? ' / 17 1 / 15 1 1 2.1 3.2 3.7 4.7 7.2 7.5 10.4 10.6 10.2 10.2 8.7 5.2 6.1 4.6 2.9 2.7 791 õ Mean No. of Hours with Temperature Element (X) No. Obs. 36.418.276 69.510.739 52.8 5.326 791 791 167 F 173 F 180 F 57 .8 38 .2 16 .6 1312821 28805 Rel. Hums 32 F 3908289 54949 16.6 90 Dry Bulb 41752 Wer Bulb 2226238 791 90 20.9

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP HEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7.2569" NATRONA CO/CASPER WY 73-81 . JUN
STATION STATION NAME YEARS PAGE 1 2100-2300
HOURS (L. S. T.)

Temp.						WET	BIII B	TEMPER	ATURE	DEPPE	SSION	FI						TOTAL		TOTAL	
(F)	0	1 . 2	2.4	5.4	7.0								23 . 24	25 24	27 . 28	20 . 30	- 21	D.B./W.B.	Dev Bulb		Dew Pain
1 79			3.4	3.6	/	y - 10	111 - 12	13 - 14	13 - 16	17 - 10	17 . 20		23 - 24	23 . 24	27.20	27.30	 • • •	1	1		
7:1 77		!			1					1	••	.1	. 1	.1	})	}	3	3	1	
76/ 75										.1	. 3	• 3	•••	.1		 		6	6		
4/ 73				J			. 1	• 3	. 6	.6	ı		. 1	••		<u> </u>	i	18	18		
77 71		 					. 4	• 3						 	 			29	29		
/ 69							. 6		.8	1.0		1	.4			-	f N	40	40		
6 / 67			 	. 4	. 3	. 5				.5		• 3	• •		 			54	54		
6/ 65			. 3		• -		1.5		1.5	.1		. 3		1	i	1	(72	72		
14/ 63			. 3						. 9	.6					 	-		67	67		·
12/ 61				1.3				1 -	l	1 -		į		1	ĺ	į		78	78		
t · / 59		+	. 5	1.6	1.8					1		t		 	 	 	 	64	64		2
-/ 57			9	1.6	2.6					Ì	i i	i		1		1		73	73		_
5 / 55		• 3									 	 			 	1	 	60	61		
4/ 53		5		1.1			. 3	-		1		ĺ	ł :	Į.	i	i	!	45	45	-	. 14
2/ 51		. 6			1.8	1.1				-					1	1		40	40	111	40
5 / 40		.9	.4			. 3					ĺ	1			1	1	ĺ	41	41	103	
47		• 5	1.6	1.1	. 9	. 4						 		1	1	!		36	36	82	64
41./ 45		1.1	. 9	. 6	. 3		Į.			Í	i	1				i	Ì	24	24	75	74
4/ 43		1.1					 	·				1				 		23	23	73	74
2/ 41		. 6	.1	. 3	• 3		ĺ		ĺ	Ì				İ	1	1		10	10	53	73
4 / 39	.1	.5			• 1		1								1	1		6	6	35	96
3:/ 37]						ĺ	İ	ĺ	ĺ					İ		1		7	86
71/ 35		. 4		:								1		1	1	1	1	3	3	4	67
34/ 33								İ	i I	ĺ	Ì	1			Ì	1	}			4	36
2/ 31		ļ —													1					1	41
3 / 29		1		; [1		1	(ĺ	İ	Ì	ì		1	l	l	1	1		ì	10
2:/ 27																					15
26/ 25		[!					(İ	}	ĺ				1	ì	1				11
2 / 23																					8
72/ 21		1 :						ł	1		l	! i			1	1	1	1			14
/ 19		1																			11
1-/ 17		i '		i			1	ł						L	1	<u> </u>	<u> </u>	11		<u> </u>	1
OTAL	• 1	6.6	8.2	13.4	16.0	15.5	12.1	10.5	7.8	4.9	2.5	1.3	.9	. 3				793	794	793	793
Element (X)		Ex			·		-		 -	No. Ob					Moon I			h Temperati			<u> </u>
Rel. Hum,			8139		423	A O	- X - 5 3 4 5	17.8			93	= 0		≤ 32 F	= 67		73 F	- 80 F	• 93		Total
Dry Bulb	~ -		3343		468			8.3			94	= 0	-+-	2 32 F	17		3.2	1	+	• +	90
Wet Bulb			8292		390			5.5			93		-+-	• 1				 	+		90
Daw Point			3011		320			7.6			93		-+-	12.6		-+-		 	+		90
DEN LOIM				L			1007			<u>`</u>									٠		

GLEBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER WY JUN PAGE 1 TOTAL TOTAL WET BULB TEMPERATURE DEPRESSION (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B.W.B. Dry Bulb Wet Bulb Dew Pein 6/ 95 . 1 4/ 93 / 91 .0 • 6 42 42 / 89 72 72 .6 8/ 87 .7 138 138 26/ 85 .0 . 7 183 183. . 6 . 4 200 200 4/ 83 • B 1 81 180 .0 189 .0 • 5 . 6 . 5 . 8 189 . 1 7-/ 77 225 225 6/ 75 . 8 • 6 251 251 266 4/ 73 . 7 266 72/ 71 . 9 271 . 3 . 7 1.0 . 6 - 1 271 / 69 258 258 . 6 . 8 . 3 300 6-/ 67 . 4 1.0 . 8 •0 299 . 2 6/ 65 . 8 312 308 308 51 -4/ 63 · • 1 300 300 209 . 0 331 8 331 411 ' / 59 .1 • 3 1.0 1.1 1.1 . 6 . 1 .0 / 57 • 9 1.2 1.2 358 358 629 . 9 390 391 662 5: / 55 . 3 1.3 1.3 1.4 . 6 . 1 303 303 765 101 4/ 53 695 -2/ 51 266 266 213 278 670 393 278 47 239 239 541 436 . 6 - 1 220 478 536 4: / 45 220 • 1 1.4/ 43 . 4 427 504 109 109 310 529 42/ 41 . 1 4 / 39 76 76 225 650 ಠ 50 50 143 699 35 61 582 3./ 35 35 . 4 43 422 3-/ 33 721 31 11 419 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. Dry Bulb Wet Bulb Dew Point

GLCBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIH WEATHER SERVICE/MAC NATRONA CO/CASPER HY 73-81 JUN ALL HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 17 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. M.B. Dry Bulb Ver Bulb Dew Point 1 27 188 14 25 137 21/23 63 52 / 19 / 17 23 1 / 15 13 14/ 13 6 1. / 11 1 / -1 .6 7.910.2 9.1 8.9 8.5 7.7 7.3 6.5 6.5 5.5 4.8 4.2 4.0 3.2 2.3 2.7 6339 6341 6339 2x' 17655205 7 47.323.330 63.713.364 50.6 6.503 39.4 7.829 2_x 300081 Mean No. of Hours with Temperature Element (X) No. Obs. 6339 2F = 67 F +73 F +80 F +92 F -5 295 -7 201 -5 106 -7 3. Rel. Hum. ± 32 F 10 F 403651 26827589 6341 3.3 720 Dry Bulb Wet Bull 16521279 320981 6339 1.6 720 10209197 249537 6339 .1 134.1 720 Dow Paint

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC ATE MEATHER SERVICE/MAC NATRONA CO/CASPER HY
STATION NAME 73-81 JUL 0000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 - 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point . / 79 . 1 . 1 7 / 77 6/ 75 . 2 **.** 5, . 5 • 1 14 14 . 4 4/ 73 1.1 1.0 1.2 30 3 O: 77/ 71 .7 1.1 . 2 28 • 2 28 .9 1.1 1.2 / 69 . 4 38 38 . 7 2.2 2.0 1.6 6 / 67 • 1 . 6 . 2 . 1 64: 64 6/ 65 . 6 1.7 1.8 1.5 65 65. .4 1.8 1.0 1.5 2.6 1.4 14/ 63 . 1 . 2 81 81 _/ 61 1.0 1.4 2.6 2.6 2.1 1.6 102 1/59 2.9 1.2 2.3 2.7 1.8 1.3 . 7 107 107 52 14 2.7 1.8 2.8 2.8 1.7 2.1 2.6 1.7 2.1 1.0 / 57 103 103 98 44 5. / 55 • 5 . 2 . 1 84 84 131 25 4/ 53 1.6 1.0 .7 1.2 .9 46 46 154 51 • 2 • 2 . 9 2/ 51 • 1, 2.1 28 28 138 78 5 / 49 . 5 . 4 107 82 • 5 11-1 47 . 1 105 4 / 45 43 107 44/ 43 . 1 22 55 2/ 41 8 8 4 / 30 50 35 35 31 12 '2/ 31 14 2 / 27 7 / 23 ğ .513.912.211.815.012.510.0 7.1 7.2 5.0 2.9 1.7 814 814 Σχ' Element (X) ZX No. Obs. Mean No. of Hours with Temperature 3220637 ≥ 67 F ≥ 73 F = 80 F 48473 Rel. Hum. 814 5.6 Dry Bulb 3111025 50067 61.5 6.228 814 20.5 .1 93 52.8 4.203 2285541 42997 Wet Bulb 814 93 37148 45.6 7.566

814

1741836

Dew Paint

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATP WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER WY 73-81 JUL PAGE 1 0300-0500 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | * 31 | D.B.-W.B. Dry Bulb Wer Bulb Dew Point (F) 6/ 75 • 2 4/ 73 13 13 / 69 .2 1.1 . 9 23 30 30 + / 67 .6 1.1 • 9 . 1 • 6 6/ 65 .5 1.3 35 1.3 4/ 63 .4: 1.1 • 5 1.6 62 1.1 62 . 7 2/ 61 1.0 1.0 1.2 2.6 .9 1.0 74 74 · / 59 1.7 2.2 1.3 2.6 1.3 80 80 31 8 .5 3.2 2.4 2.8 2.4 • 5 109 28 .2 3.3 4.7 3.3 1.7 5. / 55 1.0 117 118 37 118 4/ 53 2.8 4.1 2.8 1.7 1.0 104 104 129 40 2/ 51 3.3 3.0 1.8 1.5 83 83 128 72 . 9 5 / 49 1.8 1.5 43 . 1: . 6 42 139 92 • 2 4 / 47 19 19 103 1.1 . 4 83 . 9 15 75 117 4/ 43 33 • 2 •1 81 2/ 41 60 39 57 3 / 37 34 7 / 35 31 / 33 30 15 2/ 31 16 1 / 20 6 ~ (/ 25 7 21/ 23 3 1.319.620.615.514.9 8.9 5.8 5.2 5.6 1.9 (OL A) 821 821 0.26-5 (X 66.518.821 2 x 54588 Mean No. of Hours with Temperature 3919998 No. Obs. Element (X) 821 *67 F = 73 F = 80 F 8 • 7 1 • 6 Rel. Hum. 57.6 6.156 51.7 4.548 2767282 47482 824 Dry Bulb 2154932 41896 B21 93 Wet Bulb 1730570 37252 45.4 7.010 5.2 93 821 Dew Point

GLCBAL CLIMATOLOGY BRANCH
US AFETAC
AT- REATHER SERVICE/MAC

72569 NATRONA CO/CASPER MY 73-81

TEMP. WET BULB TEMPERATURE DEPRESSION (F)
Total Total Total Month

PAGE 1 DECD-7800 Month Mark

WET BULB TEMPERATURE DEPRESSION (F)
Total T

										PAGE		HOURS (L.	. S. T.)
Temp.					RE DEPRESSION			····		TOTAL		TOTAL	
(F)	0 1 2 3 4	5 - 6 7 - 8 9 - 10	11 - 12	13 - 14 15 -	16 17 - 18 19 - 2	0 21 - 22 23	- 24 25 - 26		30 2 31	D.B./W.B. D	ry Bulb	Wet Bulb C	Dew Poi
· 6/ 85		ŀ				1	• 1	• 1		· 2	2		
4/ 83						 	•2 •1		-	3;	3,		
/ 81					1	• 1	•2 •2			5	5		
/ 79		·				4 .4	.2 .1		+	9	9		
7 / 77					. 7	9 • 5	• 4		1	20	20	1	
-6/ 75			l	• 4	5 1.2	6 • 1	•1 •1 _i		_∔	26,	27,		
4/ 73			. 7	•5:1	1 1.1	2 • 1	• 1			32	32		
			7 1.1	2.0.2	2 1.2	5 .1			+	64	64;		
/ 69		•4 1•	1 2.6	1.6 1	. 5i • 5i • .	2 • 1	! .	1	1	65	65		
6 / 67		1 .4 1.5 1.	3 3 8	1.5	6 .7 .	1			-+	86	8.6		
.6/ 65		2 1.3 2.2 2.	1			1	- j		1	78	78	10	
-4/ 63	• 2, • 9	1.2 1.8 2.	3 1.0		5 .2					73	73	<u> 4, </u>	
2/ 61	.1 .5 1.6	5 2.9 2.7 .	6 1.1	• 4	1			İ	:	8.2	82	33	
11/ 59	.1 1.5 1.8	3 3.2 2.8 1.	2 1.1		1				+	97	97	101	1
5.7.57	.2 1.3 2.1	1 1.7: 2.0 .	6 . 4	• 2'		1	-	ĺ	1	70	70	146	3
5 (/ 55	1.0 3.7	2 1 • 3 • 4 •	4						<u> </u>	51	51	164	5
4/ 53	.1 1.3 1.3		• 1	• 1		1 1	i		1	29	29	150	7
2/ 51	1.7 .9	5 • 1 • 1 •	1		_ 	1 :-				15	15.	87	8
5 / 49	• 4	• 2 •	1			1			-	6	6	8.3	10
4 / 47	• 1, • 1	<u> </u>	نـــــنــ							2	2	28	12
4- / 45	•1 •1	l	i	i			, ,		İ	2	2	9	10
4/ 43			1 1			ļ.,							4
12/ 41			1				i I		i	;		3.	5
4 / 30			ii			<u> </u>						1	4
3 1 37				t		1					- 1		2
7 / 35				i									_ 2
34/ 33	,			i	: [[!	!		,	1
'2/ 31			11			<u> </u>							1
1 29			.	1				1	-	ļi	į		
2 / 27		· · · · · · · · · · · · · · · · · · ·	i .										
31 / 25	, ,		i I		i i		1 1		i		- 1	1	
2 / 23						<u> </u>					i		
FETAL	.7 7.511.6	613.214.011.	513.6	8.0 7	6 5.8 2.	9 1.5 1	1.37	- 1		!	818		81
1		<u>. i</u>	<u>i</u>				i	<u> </u>		817	1.	817	
Element (X)	Σ ^χ ,	Σχ	Ţ	₹,	No. Obs.			Mean No. of	Hours wid	Temperatur	•		
Ret. Hum.	297491			18.969	817	± 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	- To	etal
Dry Bulb	342203			6.970	818	<u> </u>		35 .6	11.1	1.8			9
Wer Bulb	2454269			3.907	817								9
Dew Point	1858599	38603	47.2	6.513	817		2.8						9

ADDA 0-26-5 (OLA) sevisto menous tornom

AFETAC NOW 0.26

;:. /

AD-A118 506	AIR FORCE ENVIRONMENTAL TEC NATRONA COUNTY/CASPER, WYON JUL 82 USAFETAC/DS-82/041	CHNICAL APPLICATIONS CENTER MING. REVISED UNIFORM SUMMAI SBI-AD-E850 200	RY OF SURF ETC (II)
50 6 8 99 v		201 20-6230 500	NL.

AIR WEATHER SERVICE/MAC 725697 NATRONA CO/CASPER WY STATION STATION HAME PAGE 1 0900-1100 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 6/ 95 - 1 1 1 4/ 93 .1 91 10 10 • 2 • 6 • 5 / 89 . 9 8/ 87 • 7 . 4 19 19 £6/ 85 .6 2.1 1.2 1.5 49 49 83 .6 2.0 1.6 2.1 1.0 60 60 ٤1 1.6 2.3 1.7 1.1 65 65 .9 2.3 3.4 2.8 .7 1.0 94 94 7-1 77 1.1 1.3 2.8 2.7 1.7 82 83 761 75 2.7 3.3 3.0 2.2 104 134 1.5 1.8 3.0 1.2 '4/ 73 70 .6 70 71 • 5 .4 1.0 2.6 2.3 1.0 . 9 71 71 / 69 1.7 1.5 1.5 . 6 53 53 61 67 . 2 36 36 • 7 ∍6/ 65 23 23 4/ 63 • 5 21 21 te/ 61 . 4 168 .1 . 2 • 1 11 11 10 59 12 12 214 5-7 57 7 185 . 7 7 23 **5**0/ 55 53 95 4 4/ 53 38 63 51 21 23 88 5 / 49 89 6 4 / 47 3 111 4: / 45 105 44/ 43 62 1.27 41 58 54 30/ 37 21

No. Obs.

T

PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature

= 67 F = 73 F = 80 F

≥ 93 F

C.

32 F

30

16

14

10

IFETAC FORM 0-26-5 (OLA) REVIEW REVIOUS EDITIONS OF THIS FORM ARE ON

35

34/ 33

2/ 31

31 / 29

Element (X)

Rel. Hum.

Dry Bulb Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

USAFETAC COM D. 20-5 (C) A1 MINISTER

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATP WEATHER SERVICE/MAC NATRONA CO/CASPER MY 73-81 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.8./W.S. Dry Bulb Wet Bulb Dew Point 2 / 27 TITAL -2 1.7 1.0 2.0 4.0 5.4 8.410.910.611.812.1 9.9 6.5 6.8 4.6 2.2 2.0 821 820 820 Element (X) No. Obs. Mean No. of Hours with Temperature 37.916.218 76.2 7.433 58.8 3.168 Rel. Hum. 1393657 31083 820 62548 Dry Bull 4610536 821 93 2840147 Wet Bulb 820 93 1802694

Land The show the second

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

25697	NAI	KUNI			PER					73-	91			YI	LARS					MOI	UL ITH
																		PAGE	1	1200	
Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 16	19 - 20	21 - 22	23 - 24	25 - 26	27 - 26	29 - 30		D.B./W.B.		Wer Bulb	Dew P
C/ 09			į				i 1			ļ				:			• 2		2		
16/ 97							ļ	ļ							ļ	· •	.7		6		
6/ 95	:	i					ì	i						1			1.7		14	1	
4/ 93								ļ									4 . 5		4D 39		
/ 91				,			į	i			i				2.1	1.1			77		
8/ 87		∔					<u> </u>	 				. 9	. 0	2.3		3.7			123		
6/ 85	į	1			. ,		1	į	!	.1	- 5				4.2				112	į	
-4/ 83	+						 	 	•1						2.3			108	138		
3/ 81	i	:						.1	. 4	1		2.1				1		78	78.	,	
/ 79		+					 	1	. 9				.7		• 1			72	72		
7./ 77	1	1					l	.6		1.5		1.0	.1	1			1	44	44		
6/ 75							. 2		. 9			. 1			 -		4	24	24		
74/ 73	1		i			. 2	• 5	.9	• 7	.4	.2	• 1					1	25	25		
2/ 71					• 1	. 1	. 4	.4	. 9	.2	•1			-				18	18		
1 69				. 1	. 2	. 6	i	• 5	• 5	. 1	-1				:		:	18	18		
6.1 67			- 1	. 4		. 6	. 2								!			11	11	5	
6/ 65			. 4		- 1	• 1	l	1	.1					Ĺ	-		<u> </u>	6	6	24	
4/ 63			. 2		• 1		ĺ	1						i	ļ		[3	3	93	
2/ 61		• 2	. 1	- 1				i						<u> </u>				•		177	
/ 59	• 2			• 2			}							į	1		i	1	4)	234	
58/ 57		.4	• 1				<u> </u>	 									 		2	176	
5c/ 55 4/ 53	1	• 2					l	1 '						1	1			2	1	21	
2/ 51	+	. 2	- 1				 	 	<u> </u>		 			 			 	2	2		
5 / 49	l	• 2	ļ		. ,		j	1		ĺ				1	1		}			•	
4:/ 47		+					 -	 						 	 	 	 	 			
46/ 45	j	j	ļ							1						}			1		
4/ 43		+						 						1	1	·	 				
42/ 41	ł		Ì				1		}					1]	l		1		7
4. / 39																		1			
3 : / 37	i													<u> </u>		L	L				
36/ 35							-											TT			
34/ 33										<u> </u>	L			<u> </u>	<u> </u>		<u> </u>	11	1	لحجب	3
Element (X)		K,			ZX		X	•		No. Ol	8.							A Temperati			
Rel. Hum.								-				10	-	2 32 F	* 67	•	73 F	- 60 F	+ 93 F	<u></u>	Total
Dry Bulb						+		—										 	 		
Wer Bulb						1		1	i		- 1		ı		ł	- 1		}	1	- 1	

GLCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC 2 AIR WEATHER SERVICE/MAC NATRONA CO/CASPER MY 73-81 1200-1400 HOURS IL. S. T.I PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) TOTAL () 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wer Bulb Dow Per 52 2/ 31 €. 2-/ 27 24/ 23 C '2/ 21 .6 1.7 1.3 2.7 5.1 5.9 9.211.4 7.512.013.310.515.4 TOTAL 817 C ĝ Element (X) No. Obs. I Rel. Hum. 774900 26.715.315 21834 817 ± 32 ₽ *67 F = 73 F = 80 F = 93 F 83.1 7.486 59.6 2.861 42.3 8.026 Dry Bulb 5691323 67915 817 90.0 2904360 48656 817 Wer Bulb 93 1515257 Dew Point 93

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725697 NATRONA CO/CASPER WY 73-81 JUL
STATION STATION NAME VEARS
PAGE 1 15C0-1700
HOURS (L. S. T.)

Temp.	WET BULB TEMPERATURE DEPRESSION (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31														TOTAL	TOTAL					
(F)	ø	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dow Pe
C/ 39		į	i						ĺ]]					. 4	3	31		
-8/ 97	_	<u> </u>	<u> </u>		1		· ·		<u> </u>								1.0		8		
6/ 95					1												3.7	30	30	· ·	
4/ 93		i	i		1	!			1	l	L					• 2	5.4	46	46		
. / 01			:												• 5	1.2	5.4	58	59		
/ 89						i				<u> </u>	L			1.5	1.5	3.8	5.7	101	101	:	
8/ 87												. 4	• 6	1.8	3.1	4.3	2.1	100	100		
4€/ 85				ı		:		,	1		. 5	.6	1.8	2.7	4.3	1.7	.2	97	97		
4/ 83			•	+		!			. 4	. 2	.6	1.5	2.6	3.4	2.7	. 9	• 1	101	101		
827 81					İ		ĺ		. 4	. 7	1.7	1.6	1.8	1.5	.7	• 1		70	70		
7 / 79		•	•	+	 			•2			1.7	.9	.9	.2				41	41		
7 / 77					İ		• 2	•1	.1	1								35	35		
6/ 75			!	1	†	•1	• 1	• 6		. 9	.6	$\overline{}$!				31	31		
74/ 73			1			.1	.4						.1	1				22		. 1	
77/ 71					•1	.5		•2						 				19			
/ 69			1	i	. 2		.2	"-		"			i	1				10	10		
6: / 67		 	 -	• 1	+		•1	• 1		 	 	-		 			-	4	4	4	
6/ 65		İ	ĺ	.1	. 9			••		i				l			}	10	10	20	
4/ 63		• 1	. 4	L	•1				 -		 			 				6	6	72	
2/ 61		4	: .	•							1	li	ĺ	1				3	3	140	
/ 59	• 2			- 1	 					 		-					 		4	264	
5-/ 57	.1			. ••					}	1	1									193	i
5 / 55		. 4		 		-			 	├	 						 		+	88	
4/ 53		1	1	1	İ	1					İ	!							,	24	_ :
2/ 51		.1			├				 	 	}	 		 		·	-	1		6	
5 / 49		• •		:	i				Ì	ì							1	•	•	1	
/ 47		 -	 	 				<u> </u>	 	 	-										
41 45		1		1	i				1		[[i	
		-		 		-			-	 -	 	-					 				
- 1				ł	!					1		[[1 1		ļ	
42/ 41				 					ļ		 		<u> </u>	-			<u> </u>	├	\vdash		
4 / 39			ĺ	ĺ	[[([]		í l	ĺ			1		ļ	7
3-/ 37			<u> </u>																		
36/ 35		í	į	İ	l	l i					1		l	; 			}]		}	1
34/ 33		<u></u>		<u> </u>		ا ـــــــــــا			L		Щ,			<u> </u>					لـــــا		
lement (X)		zx,			ZX	-	X	·*		No. Ol	·s.							Temperer			
tol. Hum.				 		-						10	* + '	1 32 F	≥ 67	<u> </u>	73 F	+ 90 F	• 93 1	<u>'</u>	Total
Dry Bulb									$-\!\!+\!\!-$									 			
Het Bulb				<u> </u>				ļ							<u> </u>						
New Point				Į.]		I	1						l	ı		i	1	l l	

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR HEATHER SERVICE/MAC NATRONA CO/CASPER MY 73-81 JUL PAGE 2 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Penn 2/ 31 60 27 1 27 13 1 25 2-/ 23 9 2/ 21 / 19 3 1-/ 17 2 14/ 13 T TAL 812 .9 .5 1.5 1.7 1.8 1.8 3.8 4.9 6.4 6.2 8.111.212.812.324.0 813 8 ಠ No. Obs. Element (X) Mean Ho. of Hours with Temperature 25.216.646 84.0 7.997 59.2 2.742 40.6 8.777 738789 812 Rel. Hum. 20431 1 32 F ≥ 67 F = 73 F Dry Bulb 5789798 68300 813 88.9 85.1 93 93 Wet Bulb 2855134 48098 812 1403849 33003 812 Dem Point

property of the same Source

PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER_WY 73-81 STATION STATION NAME YEARS PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 8/ 97 . 1 ·6/ 95 .4/ 93 1.1 / 91 1.8 17 32 29 / 89 .1 1.1 2.6 32 8/ 87 29 -6/ 85 • 1 . 2 1.2 1.7 2.7 1.5 67 67 4/ 83 . 2 1.0 2.5 48 48 1.6 76 76 / 81 .2 1.6 3.1 2.3 1.4 / 79 . 4 1.0 2.2 2.3 1.8 1.4 77 77 .7 1.7 7. / 77 2.5 1.8 .1 1.4 . 6 73 73 6/ 75 1.0 3.0 1.6 1.4 86 86 • 5 74 74 4/ 73 1.1 1.4 2.1 2.1 1.2 •5 1.1 1.8 / 71 60 37 60 1.4 1.1 1.4 . 4 . 4 / 69 1.0 37 • 6 6./ 67 • 5 . 5 . 9 • 5 • 1 24 32 66/ 65 1.0 .7 32 10 .1 . 6 . 9 4/ 63 15 15 27 21 61 1.0 . 2 • 2 18 18 91 2 / 59 . 5 7 195 7 - 1 57 8 8 216 19 5. / 55 . 6 . 9 13 13 146 42 4/ 53 45 84 6 12/ 51 28 43 49 12 68 / 47 67 46/ 45 61 14/ 43 55 42/ 41 53 / 39

2 0 F

81

60

55

43

GLOBAL CLIMATOLOGY BRANCH

31/ 37

7c/ 35

34/ 33

2/ 31 Element (X) Rel. Hum.

Dry Bulb

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC NATRONA CO/CASPER WY 1 1800-2000 HOURS IL. S. T./ PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin Temp. (F) / 29 23 20 11 25 8 2-/ 23 / 19 1 / 17 1 TITAL .2 1.8 4.2 2.2 3.0 3.9 5.5 5.9 8.0 8.4 10.5 8.5 9.6 9.1 6.8 5.2 7.1 812 ĝ 0.26-5 (Element (X) No. Obs. 27989 34.519.745 Rel. Hum. 1280951 812 ±67 F = 73 F = 80 F ± 32 F 62367 46764 76.8 8.439 57.6 3.059 42.9 8.508 Dry Sulb 4847959 812 81.5 67.7 36.9 93 2700782 812 Wet Bulb Dow Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725690 NATRONA CO/CASPER WY 73-81 JUL
STATION NAME YEARS MONTH

PAGE 1 2100-2300

																	1-0			
Temp.	0	1 - 2	1	•	• •						SSION (22 24	25 24	27 26	0 201 -	TOTAL D.B./W.B.	Den Bull	TOTAL	Da
6/ 85	- 0	1 - 2	3 - 4	3 . 6	7 - 8	9 . 10	11 - 12	13 - 14	13 . 10	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	.1	9 - 30 2	1	1		
4/ 83				1			:		1			į		.2	• 1	ł	1 2	1 7	1	
. / 81		 -					 	ļ		<u> </u>		+	. 5	• =			2	+		
/ 79				1			!		Ì		. 5	. 9	.5)	}	16		ł	
7 . 1 77					——						1.5	.7	• 5	-1			27		+	
6/ 75		r				-	İ		, ,			- 1		• 4	[[į	1 -		:	
4/ 73			<u> </u>	-		• 2				1.2		.5	.9				53			
72/ 71		l .			• 1	• 2			1.1		ſ		. 4	1		1			1	
/ 69				. 2	• 1		.9	3.3				.5		• 1			109			
					-							. 4] [1				
6 / 67		·	- 4			1.2						• 2		<u> </u>	\vdash		106			
6/ 65			5	. 4		2.8		1.7		.7		• 1				İ	87			
4/ 63			1.5					•6		.5							70		12	
2/ 61		1.5		. 7			• 6			•1		1		İ		}	70	1	26	_
1/59			1.7			.7	• 9		• 1	L					-		64		87	
7 57	• 2	1.3		. 7		. 4		• 1				ļ.		t 		- 1	38		150	4
5 / 55		• 5	1.0			•1		• 2		L				L			19		162	
4/ 53		1.7	• 5		• 1		ĺ			!		ļ			l i	1	19		145	4
2/ 51	- 1											\rightarrow					8	8	125	5
5 / 49		• 2										1		ļ		Ì	2	2	59	7
45/ 47							<u> </u>								Li			1	31	8
41/ 45						'			,			i				[[15	8
4/ 43			L	4														<u> </u>	3	7
-2/ 41				i) 1	1	•
4 / 39				1			· 		L					L				i		
3// 37																	1	i		
3t / 35												i			LL			<u> </u>		:
34/ 33														ĺ			ì		,	2
'2/ 31				i	'													Li		2
3 / 29																				1
2:/ 27		i i		أ			L													
21/ 25																T				1
24/ 23			i											L	[I_	L		li	i	
2/ 21																				
. / 19				i								}				}			_ 1	
lement (X)		Zz'			Z 7.	\top	X	*	1	No. O	6.				Mean H	. of Hours	with Tempere	ture		
el. Hum.					 -							10 F	7	32 F	≥ 67 I	- 73	- 80 F	o 93 f	. 1	late!
bry Bulb													\top			T				
Vet Bulb																7				
Dow Point						$\overline{}$,					

MA D. 26-5 (OL.A) SEMED REMOUS

JSAFETAC rom

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATE WEATHER SERVICE/MAC 725690 STATION NATRONA CO/CASPER MY 73-81 JUL PAGE 2 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Daw Point 1-/ 17 7.4 9.2 5.6 6.8 9.811.812.3 9.810.1 9.2 3.9 2.7 819 819 819 9 Element (X) No. Obs. Mean No. of Hours with Temperature 49.621.050 66.7 6.383 54.7 3.818 Rei. Hum. 40649 2379959 819 2 0 F 1 32 F 267 F 273 F 280 F ≥ 93 F 54666 44807 50.2 3682130 Dry Bulb 819 16.5 Wet Suib 2463291 819 93 36843 Dew Paint 1713415 45.0 8.275 819 93

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

725692 NATRONA CO/CASPER MY

PSYCHROMETRIC SUMMARY

JUL

STATION				51	ATION NA	AME								YE	ARS					MON	TH
																		PAGE	1	HOURS IL	. L.
Temp.						WET	BUL B 1	EMPER	ATURE	DEPRE	SSION (F)		•				TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28 2	29 - 30	a 31	D.B./W.B.	bry Bulb		Dew Po
0/ 99																	• 1	5	5		• • •
8/ 97			ı									ł					• 2	15	15		
6/ 95							•			•		+			+		• 7	47	47		
4/ 93							1	۱ :		:					1	. 1	1.4	99	99		
/ 91															• 2	.4		124	125		
/ 89										1		i		. 4		1.1		231	231		
8/ 87								-		• + i		• 2	. 2		1.0	1.3	• 6	251	251	· · · · · · · ·	
6/ 85										.0	. 2	. 4		1.2		• 7	.1	328	328		
4/ 83									• 1			. 8	1.0		. 9	•2	• 5	322	322		
4/81								•0	.1		. 8	1.0		. 8	. 4	. 1		298	298		
/ 79								• 1	• 3	.7	1.4	1.2	.6	. 4	.0			311	311		
75/ 77						i	• 1	• 2	. 4	1.1		. 9	. 4	. 1				284	285		
6/ 75				•		• 1	. 2	. 6	1.1			. 4	. 2		• 0			329	330		
4/ 73					• C	. 1	• 6	- 1	1.3		.7	. 2	• 2					318	318		
~:/ 71		•		• 0	. 1	. 4	. 9			. 9	. 4	• 1		• 0	-			355	355		
/ 69				• 1	. 3	. 9	1.1	1.2	1.0	. 4	. 4	. 1						350	350		
6./ 67			• 1	• 3	. 6	. 8	1.5	1.0	. 7	. 4	• 2	• 0			+-			361	361	10	
/6/ 65		• 0	. 3	. 4	. 9	1.2	1.0	-6	• 5	. 2	.0	• 0	1			!		336	336	72	
4/ 63	• 3	• 2	. 9	• 6	. 9	1.1	. 7	• 3	• 2	• 2	•0	1						331	331	283	
1.7 61	• 3	. 6	. 9	1.5	1.3	• 6	. 6	. 3	• 2	• 1			İ		:	į		364	364	651	2
/ 59	• 1	1.7	. 9	1.2	1.2	. 7	. 4	• 1	• 1									375	375	1178	10
-/ 57	• 2	1.3	1.0	1.0	1.0	- 4	• 2	.2	. 1			i	:			į		343	343	1209	21
5 / 55	• 3	1.0	1.5	. 8	. 5	• 3	• 1	• 1	• 0				1					297	298	983	31
4/ 53	٠,٦	1.0	. 9	• 5	. 4	. 2	• 1	• 0					i		1			208	208	745	36
2/ 51	•0	. 9	• 6	• 3	• 2	• 1	• 3	1										139	139	539	48
5 / 49	• 7	. 4		. 2	• 0	. 1	. i				1		1			ĺ		59	61	411	62
4 - / 47		• 2	• 1	• 1	• 0	• 0												26	26		72
4./ 45	• 3	• 1	• 1	• 0	• 0													19	19	143	76
4/ 43	• □	• 0																5	5	66	50
-2/ 41		i	• 0								1							1	1 j	34	48
4 / 39		1	• 7	7							7				T			1	1	9	49
3 < / 37																				3	36
3(/ 35			:	-									-		T				Ī		32
34/ 33		i			i			i											i		21
Element (X)		Σχ'			t x		X	7 2		No. Ob	s.							Temperatu			
Rel. Hum.						\bot						2 0 F		32 F	≥ 67 1	* *	73 F	≥ 80 F	▶ 93 F	T	otal
Dry Bulb																					
Wet Bulb																			ļ		
Dew Paint						1					- 1		1		1	1			1	1	

73-81

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATF WEATHER SERVICE/MAC 725693 NATRONA CO/CASPER MY
STATION STATION NAME JUL PAGE 2 2/ 31 238 7 / 29 2 / 27 2 / 25 129 86 59 21/ 23 29 2/ 21 18 / 10 1 / 17 2 1:/ 13 .5 6.8 7.6 6.5 7.5 6.9 7.3 6.8 7.2 6.7 6.8 5.4 4.5 5.1 4.7 3.8 6.C TOTIL 6538 6532 6532 0 0.26.5 Z K' Element (X) ZX No. Obs. X Mean No. of Hours with Temperature 16683859 291851 ≥ 67 F = 73 F = 80 F 44.723.621 Rel. Hum. 6532 1 0 F ± 32 F + 93 F Dry Bulb 34122087 465945 71.311.834 6538 458.7 337.4 216.0 18.9 744 20658456 13319179 56.0 4.675 44.4 8.008 366072 Wet Bulb 6532 1.1 744 290285 65.5 6532 Dow Paint 744

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 725697 NATRONA CO/CASPER WY 73-81 AUG STATION 0000-0200 PAGE 1 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 7 / 77 . 1 - 1 6/ 75 4/ 73 . 1 • 5 • 2 . 1 • 2 10 10 7/ 71 . 9 . 4 14 14 1 69 .9 1.1 • 2 26 26 6 / 67 .2 1.6 . 2 32 32 . 6 • 2 37 37 .2 1.5 1.1 6/ 65 -4/63 1.1 1.0 .9 1.0 43 43 .9 1.1 1.0 2.3 .7 1.3 . 2 . 2 1.3 1.6 1.2 • 2 64 64 12/ 61 1.5 2.7 1.7 2.3 / 59 95 95 55/ 57 .7 .9 2.0 1.7 2.7 2.2 1.2 .7 99 99 5 5// 55 1.9 4.0 2.9 2.7 1.2 1.0 . 7 122 122 70 103 :41 53 2.0 2.2 2.2 3.9 1.1 103 105 20 1.0 2/ 51 .1 1.7 2.3 1.7 .9 1.0 130 1.6 1.3 1.2 5 / 49 . 9 . 4 45 45 135 65 . 1 4-1 47 • 5 118 . 7 . 6 • 2 . 2 20 20 55 . 4 4:/ 45 .7 1.1 •1 • 1 50 20 89 69 44/ 43 . 2 . 4 • 2 51 82 . 2 80 41 1.21 44 • 1 41/39 3.1 37 58 .1 7./ 35 45 34/ 33 34 39 2/ 31 26 21/ 27 ~c/ 25 10 24/ 23 5 2/ 21 9 2' / 19 1F/ 17 TETAL ·110.515.816.516.311.7 8.3 7.3 7.8 2.8 1.8 818 818 12 Mean No. of Hours with Temperature No. Obs. Element (X) 48430 818 3168506 2 67 F = 73 F = 80 F Rel. Hum. 10 F 1 32 F + 93 F Tetel 10.0 57.5 6.601 1.5 47018 2738158 818 Dry Sulb 2008655 40343 49.3 4.819 818 93 Wet Bulb 93 1481707 34217 41.8 7.855 818 Dow Paint

SAFETAC

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATE WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER MY 73-81 0300-0500 HOURS (L. S. T.) PAGE 1 TOTAL TOTAL WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 32 D.B./W.B. Dry Bulb Wet Bulb Dow 1 79 1 1 74/ 73 7./ . 1 71 . 2 3 / 69 • 2 . 4 . 5 6-/ 67 . 8 . 1 . 1 . 1 6/ 65 4/ 63 . 6 . 4 • 5 28 28 2/ 61 1.0 41 41 . 2 . 6 . 7 1.5 1.5 . 8 . 1 54 54 · / 59 . 8 77 / 57 1.5 .8 1.8 77 2.1 3.5 2.5 1.5 3.0 2.9 2.8 2.7 5. / 55 1.8 . 1 107 107 33 12 • 6 3.0 2.9 2-8 4/ 53 110 110 75 2/ 51 3.4 3.2 3.2 2.4 1.1 113 113 113 36 2.9 2.8 3.5 50/ 49 86 86 114 70 41/ 47 1.0 71 126 70 3.0 2.9 1.5 71 4: / 45 1.1 1.3 . 6 • 1 26 132 86 14/ 43 • 6 22 95 1.2 . 6 • 2 22 54 ·2/ 41 4 / 39 . 2 3 27 100 83 7(/ . 4 35 39 34/ 33 32 '2/ 31 38 28 2 / 2. 2 / 25 2 23 11 6 2/ 21 4 / 19 ತ .219.719.818.812.410.3 7.9 5.8 2.8 1.5 TOTAL 824 824 0-26-5 824 824 No. Obs. Mean No. of Hours with Temperatur Element (X) USAFETAC = 67 F = 73 F = 80 F 3790334 • 93 F Rel. Hum. 53734 65.218.651 824 s 32 F 10 F 54.2 6.488 Dry Bulb 2454738 44656 824 4 . 4 93 1892304 39282 824 93 Wet Bulb 11.6 93 1464214 34218 41.5 Dow Point

PSYCHROMETRIC SUMMARY

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF HEATHER SERVICE/MAC

2569	NA'	TRON	A CO	/CAS	PER	wΥ				73-	81									A1	UG
STATION				51	TATION N	AME								Y	EARS					MO	ITH
																		PAG	E 1	0600-	
7.						WET	0111 0	754050	ATURE	DEPAI	SSION (TOTAL		TOTAL	
Temp.	0	1.2	3 - 4	5.4	7.8	9.10	11 . 12	13 . 14	15. 16	17 . 18	19 . 20	21 - 22	23 . 24	25 . 24	27 - 26	29 . 30	* 31	D.8./W.S.	Dry Bulb		Dow F
8/ 87					, ""	,,,,,	1	13.14	131.0	17.10	.,,				1	-,	.1	1	3		
27 81		1	1				1		ļ	1	{	1			.1			1	1		
- / 79							 		ļ —	•1	•1	• 2	• 1		1			5	5		
7 - 1 77	1						1		l		.1	. 2	. 1	1	1			4	4		
6/ 75	!						ļ		.2	.2		• 2	• 1		1 1			12	12		
147.73								•5				.4	• 1	ĺ				20	20		
71						.1	.4	.9	. 4			•1	•1	<u> </u>	1			24	24		
7 / 69		i		. 1		• 2		• 7	t .	1		. 2	_					39	39		
6. / 67					.4				.7		. 4							45	45		
66/ 65				. 1	1.2	1.6					•1				1 1		_	56	56	1	_
4/ 63			. 4			1.5	1.8	1.0	.4									53	53	1	
2/ 61		• 2		. 9				• 5	.6	.1								79	79	5	
6 / 59		• 2	1.0			2.2	1.8	1.0							1			80	80	25	
5. / 57	• 1	- 6	1.6	3.3	1.5	1.2	1.0	. 4	. 1	.1								81	82	53	
5 / 55	1	2.0	1	1		1.1		•1]								86	86	87	
4/ 53		1.0				. 4		•1	L	L								66	66	130	
2/ 51	• 1	1.6			1.1	• 2			'	1	}	1						58	58	136	
5 / 49	• 1	• 7			• 5	. 2			L	L								40	40	112	
1 / 47		• 9	- 1		• 7	• 1	(!	1		}	1)			1			27	27	90	
4:/ 45	i	1.5	. 9	. 4		• 1	ļ								 			23	23	80	
4/ 43	ĺ	• 1	• 2							1	1	1)))			3	3	47	
42/ 41		.4	- 4												}			9	9	24	
36/ 37	{	1	• 1	• 1			}			į .	1	- 1	Í))			2	2	16	
16/ 35		•1					ļ								 			1		3	
34/ 33	j	• •	i	1						1		1	j		1 1			•	•	2	
2/ 31											 				├						
1 / 29	1	{					1	'))	1			1 1				}	}	
2 1/ 27	+									<u> </u>	 				 		 -	 			
0/ 25		ļ					}) }	1	Ì]]		!	1 (ļ		
24/ 23	+									 		+			 						
2/ 21	i	1	Ì				į l			1	} }				} i]	}	ĺ	
/ 19										ļ ——											
				ì	1							}			{ }				l	_	
lement (X)		2 X '			ZX		X	**		No. Ob	s.				Moon H	la. of Ho	urs with	Tempere	ure		
el. Hum.												2 0 F	1	32 F	= 67	F .	73 F	- 90 P	• 93 F		Tetel
by Bulb																\Box					
Her Bulb]			\bot					I										
Dow Point			7			1	1		1		- · T				1	1		1		1	

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIF WEATHER SERVICE/MAC 725697 NATRONA CO/CASPER MY 73-81 AUG 0600-0800 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL D.S./W.B. Dry Bulb Wet Bulb Dew Point 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 TOTAL .4 9.315.313.316.312.311.4 7.6 5.8 3.3 2.7 1.5 .6 816 815 Element (X) Mean No. of Hours with Temperature No. Obs.

815

816

815

73

59.2 7.856 50.5 4.912 43.1 6.884

48305

41172

35113

JAR &4 0-26-5 (OLA) REVISED REVIOUS EDITIONS OF THIS FORM ARE OSSOLI

USAFETAC POR

Dry Bulb

Wat Builb

3076366

2909829

2099560

1551367

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NATRONA CO/CASPER WY

72569°

PSYCHROMETRIC SUMMARY

AUG

STATION STATION NAME 0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Pain 1 6/ 95 . 1 / 91 89 • 2 6 • 1 8/ 87 .6 16 1.2 25 :61 85 • 5 . 6 .6 . 1 1.0 4/ 83 1.2 30 30 • 6 1.5 . 9 2/ 81 . 6 2.1 46 46 . 9 1.6 52 70 • 5 1.5 2.1 2.2 70 1.2 .5 1.7 6/ 75 1.2 3.6 2.2 82 82 74/ 1.9 1.4 3.3 78 1.1 • 6 2.6 72/ 71 .2 1.2 2.1 2.0 • 5 . 4 73 73 69 1.1 3.1 2.4 1.6 . 4 .1 78 78 67 2.4 2.0 1.6 67 161 • 1 2.4 .6 1.1 65 • 1 1.2 46 46 •1 39 4/ 63 1-4 1-4 . 6 39 61 . 5 . 4 23 23 51 . 5 .7 / 59 . 7 . 5 24 123 . 4 57 22 • 5 22 160 6 5c/ 55 . 5 13 13 190 53 115 37 2/ 51 69 51 49 36 80 .1 88 4 . / 47 24 41/ 45 . 2 2 2 15 99 F47 43 60 . 1 64 -21 41 4 / 39 88 37 63 311 7:/ 35 45 34/ 33 40 121 31 29 26/ 27 6 Element (X) Mean No. of Hours with Tomporeture 2 0 F 1 32 F ≥ 93 F Tetal Dry Buib Wat Bulb

Les 0.26-5 (OL.A) sense nemous so

AFETAC 1044 B

O GLCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATT WEATHER SERVICE/MAC 0 725690 NATRONA CO/CASPER MY 73-81 MONTH 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 0.8./W.B. Ory Bulb Wet Bulb Daw Point ^·/ 25 12 24/ 23 2/ 21 2 TITAL 1.5 2.1 2.1 3.8 7.911.010.811.610.811.2 7.4 7.2 6.4 3.6 1.6 808 807 807 Element (X) No. Obs. Mean No. of Hours with Temperate Rel. Hym. 1371939 37.916.277 72.2 8.134 55.7 3.880 30575 807 = 47 F = 73 F = 80 F = 93 F Dry Bulb 4267160 58350 808 72 .1 Wer Bulb 2515856 44950 807 93 1519224 34532 42.8 7.182 Dow Paint 807 93

GLCPAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/MAC

NATRONA CO/CASPER WY

72569

PSYCHROMETRIC SUMMARY

AUG

1200-1400 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.S./W.S. Dry (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2/171 • 1 0/ 9 • 1 8/ 97 2 6/ 95 13 4/ 93 13 1.6 ./ 91 1.1 15 15 / 89 2.1 2.9 • 5 2.6 89 8/ 87 1.6 3.9 89 .6 1.1 2.1 4.3 .6 2.8 2.9 2.3 61 85 4.1 103 103 14/ 83 84 .5 1.3 2.6 2.8 1.6 1.5 81 86 86 / 79 .6 1.3 1.1 2.6 2.1 67 67 7 / 77 .1 1.6 1.1 2.1 1.8 1.3 . 7 72 72 6/ 75 1.0 1.7 1.7 1.5 59 59 . 6 4/ 73 .6 1.1 1.0 31 31 7.7 71 . 5 1.2 . 2 1.0 35 35 . 4 • 5 / 69 29 29 . 4 67 . 4 22 22 6/ 65 • 2 . 4 • 1 15 15 4/ 63 15 42 21 12 12 95 / 59 6 176 57 207 8 A 5 5// 55 152 20 21 31 63 12/ 51 39 22 36 4-/ 47 17 58 40/ 45 66 44/ 43 65 41 60 4 / 39 81 3-1 37 90 57 Element (X)

10F

s 32 F

A. 0-26-5 (OL.A) IRMSED MEMOUS SOTTONS OF

AC 101 0.34.5 (0) 81 111111

Rel. Hum.

Dry Bulb Wet Bulb

> GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER NY 73-81 1200-1400 HOURS (L. S. T.) PAGE 2 D.S./W.S. Dry Bulb Wet Bulb Dew WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 3-/ 33 69 2/ 31 68 36 1 29 2:/ 27 21 / 25 11 2/ 21 117 1./ 15 ·7 1.1 1.7 2.2 2.3 3.7 7.2 6.1 8.5 9.113.011.611.211.6 9.3 TITAL 821 ſ ĝ Element (X) 21928 26.714.474 79.8 8.166 821 ± 47 F = 73 F = 00 F 757458 • 93 F Rel. Hum. ± 32 ₱ 54.3 5282552 93 76.1 65514 65.9 Dry Bulb 47030 57.3 3.552 Wet Bulb 2704400 821 93 1343664 32566 Daw Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725693	NA.	TRON	A CO		PER					73-	81				EARS					AU	
3141108				•	Aliva a	um.												PAGE	E 1	1500-	-1700
Temp.						WET	BULB	TEMPEF	RATURE	DEPRE	ESSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8						19 - 20		23 - 24	25 - 26	27 - 28	29 - 30	≥ 31		Dry Bulb	Wet Bulb C	Dew Pair
0/ 79			,	-				1						†			• 1				
8/ 97		1	i i	1	f :	1 :	: '	1	1	1 '	[]	į '	1	1	'		- 4		·		
-6/ 95		1		<u> </u>				<u>† </u>				ļ		 	 	·	1.0				
04/ 93		: :			f 1	!		'	'	j '	1 1	1 '	İ		'	Í	1.6	1 - 1	13	1 1	
_/ 91				,							1				• 1	•2	+				
7 / 89		1	,	- 1	1 1	į į	1	1	1 '	1	1 1	1 '	1	.1	. 6	_	1	- :	_		
78/ 87			,		i	7					.1	• 1		1.0				102			
6/ 85		+	, i	1		1	i '	1	1	1	.1	. 4	1.0	1					91		
'4/ 33				-	•	1	i				.5				+			76	77		
27 91			ı			i ·	1	1 1	1	1.0	1 1	1 - 1				-1	1	93	93	1 .	
/ 79								<u> </u>	. 4		++	-						71	71	,	-
7-/ 77	1				i '	į į	1	1	. 6	1 _1			.6	1		1	į	53			
6/ 75		1		,——			• 1	• 2	. 5				• 2	. 4		[40	40		
4/ 73	i	1	į i		1 '	.1	• 2					• 1	.6	1	1	í	f	38	38		
72/ 71			:			• 1				+								23	23		
' / 69	İ	1	, i		• 2		I				1 2	1 -		1	'	1		24			
6: / 67			, —	, — ;	.2	. 4				. 4	- 4			†				23	23	1	
6/ 65	i	. 1		. 1	+						1	1 '	ĺ	1	'	1		17	17	1 -1	
c4/ 63			• 2			• 2			. 4		1			1		$\overline{}$		14	14	32	
62/ 61	i	. 2	į į	1 1	- 1	. 1	1	1	1 '	1	1 1	i = l	ł	İ	ł			4	4	70	
/ 59		• 2	. 2	. 2	- 1	1	1	T -				$\overline{}$		† 		i		7	7	155	
5. / 57	Į.	. 2				1 -1	1 1	1 1	1 '	1 '	1	1 1	1	l	i		İ	9	9		ε
5/ 55			• 2	. 5	• 1		1	T	1	1				1				7	7	186	13
54/ 53		. 1	. 1		1 1	: 1	1	1 1	1 1	1 1	1	1 1	1	1	'	í '	1	1	1	74	2
2/ 51		. 4	.1,	. 1		,		ļ				(†				5	5	33	31
5 / 49		. 1	. 1	1 4	1 1	1 1	1 ,	1 '	i 1	1 1	1 1	1 1	l	1	'	1	1		,	31	3 2
48/ 47				, 	1	$\overline{}$	1 1			\Box				<u> </u>	7				,	14	3:
45/ 45	İ		į	, 1	i t	₁ J	1	1 '	1 1	1 1	1 1	1 1	ł	'	1 1	1	1		, }	1	43
54/ 43				1		$\overline{}$	1 7												, 1	,	5 2
1-2/ 41	ĺ			, 1	_i 1	, J	1 ,	1 1	1 '	1 1	1 1	1 1		1	'	ı '	1	1	, i	1 1	66
4 / 39				,	1	i	, ,			$\overline{}$,,			,		67
3-1 37			. 1	ι^{-1}	1 1	₁ +	1	1 1	1 1	1 1	1 1	1 1			1 1	i '	1		į į	,	60
76/ 35				, — ,	1	\Box	,								1	,			, — 7		77
34/ 33	i			, 1	1 1	,]	1 1	1	1 1	1 1	₁ J	1 1		}	1	į '	ĺ		, i		73
Element (X)		ZX'			z x	$\overline{}$	X	**		No. Ob					Mean I	to. of H	-	h Temperati			
Rel. Hum.						$\overline{}$					\neg	101	P :	s 32 F	= 67	P .	- 73 F	+ 90 F	+ 93 F	F T	retel .
Dry Bulb			$\overline{}$				$\overline{}$		\neg		\neg		_			1		1	+		
Wet Bulb				1		_			\neg				\neg		\vdash	\top		 	+	+	
Dow Point						+		-	_				+			-		+	+	\rightarrow	

To This of

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725697 NATRONA CO/CASPER MY 73-81 AUG MONTH
STATION RAME PAGE 2 1500-1700

																				NOURS (L. S. Y.)
Temp.						WET	BULB .	TEMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	a 31	D.8./W.8.	Dry Bulb	Wer Bulb	Dew Pai
2/ 31		1	-												-						73
3 / 29			<u></u>												1					Li	61
~. / 27					1		:						}	}	1 1		,	1			4.5
· / 25																		ii		<u> </u>	15
24/ 23		-			,								1	ł				!		1 [•
2/ 21					<u> </u>		:		! 	Ĺ	1							ļ	·	<u> </u>	12
1 19													1	ł	1 ;			1			3
1-1 17			<u></u>				<u> </u>		L	ļ		ļ						 :		 	8
CTAL		1.1	1 • 4	1.6	1.5	2.3	1.8	2.5	3.9	5.9	7.5	8.6	9.0	11.9	10.4	15.0	15.6		815	1	814
		· 	 		 		<u> </u>		, }			 	<u> </u>					814		814	
1					į								ĺ	1	i 1					j ;	
					 i				ļ			 						ļ			
							i	!		1		(ĺ	ĺ	1 1				:	i :	:
													 					 		ļi	
1		:	i .				İ		1	,	i	1	!	1			i .			,	i
															 		 	├ -		 	
1		1	i	'	1			}	}	!	i	}	ĺ	į			1].		}	
+		+	!							ļ	<u> </u>	 	 		} }		 	↓			
		1	i .		}		}) ;		j .		j	i	1) 1		! !	
		 	 						 								 -	╅╾╼╾╾┥		 	
i		1			l i							ŀ	}	1	1			1			
		+		L	 		 -							 	1		 	 	ļ		
1		1	ĺ					}				1	1	ļ	1 1		1			1	
		 					 			 		 	 	 	 		 	 		 	
1		ţ			}) !		1		ł		1			}) !			
+		 					 						 	 	 		 	 		 	
1							į	i i				•	ł	1			1	1		; ,	1
		 						 				 	 		1		 	 	 		
1		1	,					}					1	ļ	1 1		1	1			
		 					-							 	11			 		 	
1		1]							1 1		1 '	1		[
		1													11						
Element (X)		Zz2	<u> </u>		ž z		<u> </u>			No. Ob	s. T			<u> </u>	Meen N	lo. of H		& Tomporet	Purro	<u></u>	
Rel. Hum.			4001			15		15.9	55	8	14	10	P :	32 F	= 67	F	73 F	+ 90 F	• 93	F 1	Total
Dry Bulb			0406					8.6			15		_		85	.7	77.7	59.	1 2	. 9	9:
Wer Buib			8640		463	50		3.4			14					.1		1	1		93
Dew Paint			2279		309	-		8.4			14			26.8				+	-		9:

)L.A) severto retiricus somicais of this roam are cea

AFETAC ROM DOL

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIA WEATHER SERVICE/MAC

NATRONA CO/CASPER WY

775697

PSYCHROMETRIC SUMMARY

AUG

STATION			5	TATION N	AME								YE	ARS					MON	TH
																	PAG	E 1	1830-	
Temp.					WET	BULE	TEMPER	ATURE	DEPR	ESSION (F)						TOTAL		TOTAL	
(F)	0 1 2	3 - 4	5.4	7.8								23 . 24	25 . 26	27 . 28	29 . 30	× 31		Dry Bulb	Wet Bulb	Dew (
6/ 95	· · · · · ·	+			1	1	13.12	13 - 10	17 170	110										
/ 93					1	!	ł	i		1			1			• 2	2	2	1	
/ 91					L		 			 		<u> </u>				• 1		<u>-</u> -		
- ,	'			I .	,		į.		1				i		•1		6	6		
/ 89					-	<u>. </u>	L	 		 _			<u> </u>	• 1	.2		3	3		
6/ 87							į	l	}				. 4					24		
6/ 85		·. 	-	+	4					<u>i</u>	• 2		_		1.7			29		
4/ 83						f	:		-1		. 4	. 4		2.1	1.1		39	39		
/ 81				·	·	ļ	Ĺ	·	. 1	. 4	.6		1.2		.6	L	48			
- / 79						1	į	. 2	.2		1.2		1.9	• 2		į	47	47		
7 / 77		· 				• 1	•1					2.8	1.7			·	66	66	<u> </u>	
'E/ 75	7 -			,	. 1		. 4	.7				1.6	. 8	• 1			68	68		
4/ 73	٠.	. :		1.	. 1	• 2	•6	1.3	1.5	2.7	1.5	1.3	. 1		į	į	77			
. / 71				• 1	. 5	. 4	1.2		2.1	1.6	1.6	. 5					82	82		
1 69	:	i	. 1	1	. 2	1.3	1.7	2.3	1.2	1.1	. 2	. 4	(71	72		
6 / 67				.4	. 5	1.7		1.5	. 5		.2						57	57	1	
6/ 65	i •	1	. 4	. 4	. 8	1.3	1.2	. 8	.6	• 2	.2		1				51	51	3	
. 4/ 63	•		• 2	.6	.7		• 2	. 8									37	37	12	
2/ 61	•	- 1	. 8		i	1 :		l .	ł	1							34	34	29	
/ / 59			. 8						• 1				} 				22	22	58	
-/ 57		-, :	. 4	1	1	1	.1						i				16	16	135	
5.7 55	-		. 4														24	24	182	
4/ 53			. 6	1 -	.1	í .	{			}			1				11	11	181	
2/ 51				 	.1				 	 -							4		95	
5 / 49			. 2	į		! .			{	{ !		· 1					5	-	60	į
92/ 47			• •		 												3		39	
4:/ 45	•	• • •		į .	1	1								[3	3	19	
14/ 43		 		 -			 										 		10	!
7		1 1			1	i !				()			}	į)		10	- (
4 / 39		+		 													ļ		3	
				1	ł	1]			1 1	i í		1							
3-/ 37		- 					<u> </u>	<u> </u>			<u> </u>						 		 	!
7 / 35	}	1 1			Į.	}				1	. }		}				}			
34/ 33		-∔		ļ	-	 										L	 -		-	
2/ 31	1	1 1			}					1 1				. }						•
7 / 29	ا	أحجيك			ــــــــــــــــــــــــــــــــــــــ				L	لجبيا										
Element (X)	ZXi			ž _X		X	·**		No. O	36.							Tompera			
Rel. Hom.							L				201	, ,	32 F	2 67	F :	73 F	- 80 F	+ 93 (T	eral
Dry Bulb							<u> </u>										L			
Wet Bulb																				
Daw Point		i			1		1	- }		1		1			ì		ì	1	į.	

73-81

ETAC FOLL 0.26

0

(1

0

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIF WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER NY
STATION NAME
STATION NAME YEARS PAGE 2 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 0.8./W.B. Dry Bulb Wer Bulb Dew Poin 2 / 27 39 18 24/ 23 16 2/_21 7 / 19 8 1 / 17 1 TOTAL 2.2 3.6 4.0 3.0 4.2 6.9 8.010.6 9.4 8.8 9.8 9.1 6.9 6.0 5.1 2.3 827 827 827 õ 28877 7 7 7 34.919.359 72.2 8.806 54.4 3.993 39.4 8.851 Element (X) No. Chs. Mean No. of Hours with Temperature Rel. Hum. 1317881 827 ±47 F = 73 F = 80 F = 93 F Dry Suit 4376515 59755 828 69.8 46.1 19.8 93 93 2457646 44962 827 Wer Bulb 32543 1345301 24.1 Dow Point 93

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF #EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2569	NATR	ONA	CO		PER					73-	81				ARS					A U	
3.4.104				-		-ME								,,	·······································		P	AGE	1	2100-	230
Temp.	~					WET	B/// B 1	TEMPER	ATHER	DEPRE	SSION (F)					TOTA	41		TOTAL	
(F)	0 1.	2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30 *	31 D.8./W		Dry Bulb		Dew P
/ 91								-	1.0			-	• 1		-	-		1	1		
1 79	:				'			:	1	1 .		i	. 4	.1	1 1	Ì	1	4	4		
/ 77									·	.1		• 1	• 1		+			3	3		
6/ 75	•					i :		:	i	:	. 4	.6	. 2		1 1		1 1	13	10		
4/ 73		1				• 1	• 1	• 2	• 5	.7	.7	. 8	• 2					29	30		
./ 71					• 1	• 1	. 4	• 6	1.1	. 8	. 2	1.2						38	38		
1 69					• 2	. 5	. 4	1.1	1.6	2.4	1.2	• 5					1 (65	65		
/ 67			• 2	• 1	• 6	. 5	1.0	2.5	1.2	1.7	1.5	. 5,			1 1			81	81		
6/ 65		-	• 1			1.5				,	• 6	. 2						87	67		
4/ 63		.4	• 2			1.1					• 2							8 3	8.3	5_	
2/ 61		. 4				2.3	_	1	1.7					i		- · · · · · · · · ·	10	02	102	12	
/ 59		• 2				1.9												87	87	21	
/ 57		• 5				1.6		1.1	• 5	,				ı	! i	į		66	86	47	
/ 55			1.5	. 6		1.0			• 2									53	53	95	1
4/ 53	_	-1	1.2	• 7			. 8	į	• 2					ı	;	1		47	47.	149	
2/ 51		. 5	• 7	• 1		1.1			}	ļ 					1 ·			25	25	142	
/ 49		• 4	. 5	• 2		• 2			ļ	1					1 :	ĺ		11	11	129	•
1 47		. 1	. 8	- 1	• 1		• 1			<u></u>		<u> </u>						11	11	85	
/ 45			• 1		:	i				!						ł		1	1	66	- 6
4/ 43		• 1							<u> </u>							- i		1	1	48	
2/ 41		-		;	i	1						i (2	!			i		- 1	18	
/ 37						·				i		+						+		5_	
:/ 37 :/ 35 l	1	1							i E			1)	j	i	4		2	5
-/ 33		+															+			1,	
2/ 31	1	j			į					}						1			1		4
1 29			+												 			-+	+	+	
1 27	Ì	j			ļ	i					1	ì	Ì		1	i			1		2
/ 25		-	+					ļ	·	 					 			+		+	
-/ 23	į	1	1	!	1	:										-		- 1	1	1	•
2/ 21		+																-+	+		1
/ 19	i			İ						1 1		}	i		} }			-	1		•
1 17		- !	+									1						+		+	
ement (X)	2 x 2				E X		X	• **	Ц-	No. Ob	. [Mean N	o. of Hours	with Tomp	10101	/t+		
I. Hum.									\neg			2 0 F	,	32 F	= 67	F - 73	F = 80) F	* 93 F	T.	eral
y Bulb						1							\top						T	7	
of Bulb																			T	7	
ew Paint			$\overline{}$																		

SLOBAL CLIMATOLOGY BRANCH UNAFETAC **PSYCHROMETRIC SUMMARY** ATE WEATHER SERVICE/MAC 7:5697 NATRONA CO/CASPER MY
STATION NAME 73-81 AUG 2100-2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point TETAL 5.0 3.7 6.812.212.712.111.512.2 8.6 4.8 4.0 1.1 .1 826 825 825 1 ₹ õ 12 Element (X) ZX Mean No. of Hours with Temperature USAFETAC 267 F 273 F 280 F 293 F Rel. Hum. 2284169 40369 48.919.360 825 10F s 32 F 62.4 6.419 51.1 4.545 3252184 51558 93 Dry Bulb 826 26.1 5.4 Wet Bulb 2171715 42155 825 93 40.9 8.666 1442566 33750 825 18.0 93 Dew Peint

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/MAC

72569' NATRONA CO/CASPER NY

PSYCHROMETRIC SUMMARY

AUG

STATION				,,	TATION N	AME								YE	ARS					MOH	TH
																		PAGE	1	HOURS (L	
						WE 7	B111 B 3	SHREE	ATHE	DESPE	SSION (E)						TOTAL		TOTAL	
Temp. (F)	0	T			, ,								23 - 24	25 . 24	27 - 28	20 . 30	× 31	D.B./W.8.	Dry Bulh		Dew
2/121		+		3.8	· · · ·	7 - 10		13 - 14	13 . 18	17 - 10	17-20	41.44		122.10			• 6		, 55.5	,	
C/ 99		1	;				·		ļ		1			}			•0		2	. 1	
8/ 97				·							 			-			•1		5		
6/ 95				Į	Į į					1		1				į	• 2	13	13		
4/ 93		 -					<u> </u>		 		 				1		.4	27	27		
- (:							i	1	1		į	1	•		1 - 11	47	:	
/ 91		 -i			<u> </u>						 			-	•0	- 1	1.0	123	123		
							1							• 1		. 7	1	1 1	535	ŀ	
8/ 87		•							 		• 0		•1	. 4		1.5	.9		248		
6/ 85						٠ .			•		•0			i .		1.3	• 3		_		
4/ 83		 i					·i		<u> </u>	• 2			. 8	1.0	.9	- 5	•0	229	230	+	
/ 81				,			:		.0	1		• 6	1.0			• 1	}			. :	
/ 79									• 2			.7	.9	1.0				247	247		
7 / 77		1 i	i .	i		_	• ?	• 1		,			• 8	1	1 .	!		270	270		
6/ 75		+				• 0	• 0			. 9			• 5				 	275	275		
4/ 73		1			• 0		• 2	• 5	.7			• 5	. 4		! !			287	288		
./ 71					•0	• 2	• 3	• 7		. 9			• 2					292	292		
/ 69		1		• 0		. 4	8	. 9	1				• 1	i	i		Ì	339	340		
6 / 67			• 3						1.0									351	351	3	
6/ 65		• 0						• 9	.9	1		;		1	1	i	ł	333	333		
4/ 63		. 1	• 2				1.0	• 7	.7					ļ				312	312		
62/ 61		• 2	! .	• 7				. 4	• 6		•0	!			i			359	359	266	
/ 59		• 3					• 7	• 7	• 3					i	 		 	375	376	574	
- / 57	• 3	i 1			1	1.0	i	• 5	i .	• 0	ĺ	!!!		1	1			398	399	864	
5: / 55		1.7		1.1			. 5	• 2	•1		-				f+			415	415		
4/ 53	_	• 9				. 4	. 4	•1	•0	1	j			ł)	345	345		2
2/ 51	• 1						• 0	•0			 -			ļ			 	274	274	757	
50/ 49	• 5	1 - 1		. 8	• 2			•0		[}	, i		l .				191	191		4
4./47		• 6					0.0					}						132	132	513 406	5
41/ 45		. 4	. 4	. 3	•0						{	1		i .	1			72			5
4/ 43		• 2			• 5				<u> </u>					·	\longrightarrow			36	36	255	<u>5</u>
42/ 41		• 2		• 2	• 1]	1	1			į ·				33			
4 / 39		أحجب	•0	• 0	.0				ļ			├ ──┤			 			5		71	6
34/ 37		• 1			}				[1	1	į į			1		}	4	4	1	5
36/ 35		<u>. • • •</u>	L			لحجحا			L.,	<u> </u>	<u> </u>				لمسيما			4		15	- 4
Element (X)		zx,			Z X		Ţ	<u>,</u>		No. 01	**.							h Temperer			
Rol. Hum.									-			101		1 32 F	× 67	F *	73 F	> 80 F	- 93	<u></u>	Fetal
Dry Buib				ļ												-+-		 			
Wet Bulb									_									 	+	_+	
Daw Point								i	ì		- }		ļ		}	1 .		L			

(OLA) sevite revious terrons or his rosis are ossout

C 26-5 (0

ISAFFTAC FO

GLUBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATT WEATHER SERVICE/MAC 725693 NATRONA CO/CASPER MY 73-81 AUG PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.B./W.B. Dry Suits | Wer Built | Daw Point 3./ 33 382 2/ 31 393 2 / 29 294 165 ' / 25 106 2 · / 23 2/ 21 49 54 / 19 1 / 17 1 / 15 37 16 -1 6.3 8.4 8.0 8.4 8.0 7.7 7.1 7.8 6.0 5.7 5.2 5.1 4.6 3.9 4.2 3.5 TOTAL 6556 6551 6551 ತ

No. Obs.

6551 6556

6551

20F

2 32 F

126.9

44.623.003 67.212.288

52.9 5.492

292106

440756

346244

267856

Meen He, of Hours with Temperature

.3

*47 F *73 F *80 F *93 F 370.6 259.1 150.8 5.4

Tetal

744

744

744

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dow Point

16490654

30621542

18497776

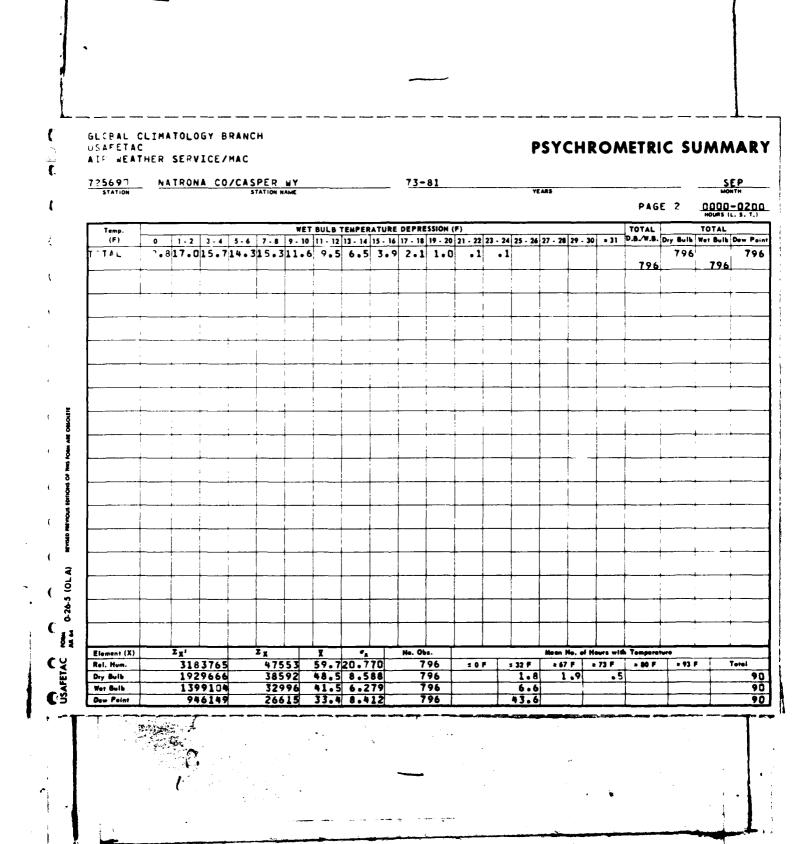
11380322

GLCRAL CLIMATOLOGY BRANCH USAFETAC ATH REATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

NATRONA CO/CASPER MY 72569 73-81 0000-0200 HOURS (L. S. T.) PAGE 1

T						WET	BULE:	EUPE	ATURE	DEPRI	SSION	(F)							TOTAL		TOTAL	
Temp. (F)	0	1 2	3 . 4	5.4	7.8	9.10	11 . 12	13 - 14	15 . 16	17 - 18	19 - 20	21 . 22	23 - 24	25 - 24	5 27 -	28 2	29 - 30	+ 31		Dry Bulb		Dew Pei
/ 79	_ <u>`</u>		•••		7.10	7.10	111111	13:14	134.0	17 - 10	1.7		• 1		+				1	1		
7 / 77							1	1	-		Ì	. 1		1	1	1		ļ	i	1		;
4/ 73		<u> </u>					 			. 1	.1	+		+	+	_			2	2		
7 71		ı i		2				į	1	. 3	1	1		1	ł	ļ			7	7		
/ 69						 	 		•1	• 3					+-	-+		-	3	3	 	+
6 / 67						. 1	î 1		.1	• -	.1	1		1		}		1	3			
6/ 65					. 1		• 3	. 1		. 3					+			 	12			
4/ 63				. 1			. 3			. 3				1	1	- 1		ĺ	16			-
/ 2/ 61			• 3		. 4	•1		• 8	.6		• 1			1	+				25			
/ 59			• •		. 8							' !		1		- !		į	31	_		
1 57			. 4	. 4		• 3	1.0					+		 	+-	_		 	37			+
5 / 55	. 4	. 4	. 3				1.9			-5	i			}	1	Ì		ĺ	51	1		
£4/ 53		. 9	.9				. 9					•		+	+-	\dashv			54			
72/ 51		. 8			. 9				l .		i	1		i	í	- }		}	52			
50/ 49	. 5	1.3	1.0								 	1		+	+-	+		-	77			4
91 / 47		1.8		1.3				1		}		1		ŀ					9.0		58	25
41 / 45		2.5	1.6						 		 	 			+				77	77	74	
4/ 43		1.0		1.5			1 _	ļ	ļ	{	i			i	1			1	46	46	95	37
2/ 41		2.3	2.4						 	1				1	1	\top			72	72	82	31
4 / 39	• 1	1.1	1.6	1.4	• 5	.1	í	l	i	ł	1			1				l	39	39	111	
3-1 37	• 5				• 5	.1			!						1	7		1	38	38	80	58
7./ 35	• 3	1.1	1.4	. 5	. 4		ĺ	ļ	})	1					į		1	29			
34/ 33		1.6	. 3						1			1			1				17	17	58	74
72/ 31		. 5	. 9				1			1					}	1		1	11	11	30	113
7 / 29	• 3	. 3									T					1			4	4	16	6:
21/ 27		. 1	į					l	Ì	}	1			j	ĺ			1	1	1	11	
Cc/ 25															T	7		Ţ			1	42
24/ 23							ĺ]		i	İ	Į.			1	1		ļ		1	l	31
2/ 21							1							Ţ	T	7				1	1	3 9
~ / 19			į				l	}	}	}	}	}		1					1	1		2
1:/ 17							-								T	\top						1:
1:/ 15							}		1	1	İ	1		1	J				<u> </u>	l		1
14/ 13			1							T					1	T						4
1 / 11		į	ì	i				}	i	1	l			1				Ĺ	i	<u> </u>	Ĺ	l a
Element (X)		ž x'			ž _X		X	*,		No. Oi	3 .				Me	en Ne	e. of H	ours wil	h Tempere	ture		
Rel. Hum.						$\neg \vdash$						= 0		2 32 F	Γ	67 (F .	73 F	- 80 F	→ 93	F	Total
Dry Butb																	\Box				L	
Wet Bulb																						
Daw Point																						



GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY SEP YEARS STATION ľ 0300-0500 PAGE 1 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 71 • 1 / 69 • 3 6 / 67 . 1 . 1 6/ 65 4/ 63 . 4 • 3 . 1 9 • 3 . 1 627 61 . 4 <u>.</u>4 14 / 59 • 5 27 • 1 5 / 57 . 4 . 8 34 . 8 ſ 5:/ 55 . 6 . 5 • 1 .6 1.3 • 6 36 36 4/ 53 1.4 1.6 44 15 51 .1 1.3 . 9 39 39 6 . 6 24 • 6 5 / 47 .6 1.4 1.4 57 1.0 1.1 1.3 57 31 14 1 47 .9 1.5 1.9 1.9 1.8 1.7 87 87 37 17 4 / 45 3.3 1.6 1.6 1.9 77 77 72 . 6 14/ 43 75 100 2.2 2.2 2.2 1.8 75 41 12/ 41 1.9 3.0 2.4 70 70 83 36 4 / 39 2.4 2.3 1.5 1.4 62 62 82 29 .3 1.9 1.1 1.1 3: / 37 51 41 123 . 8 41 .3 1.4 1.4 3 / 35 31 31 54 67 55 3.1 33 .3 2.8 33 33 84 - 6 -21 31 59 22 22 .8 1.4 .6 110 3 / 29 13 25 54 27 13 68 ../ 25 55 24/ 23 22 2/ 21 40 34 10 1 1 17 € 1/ 15 6 ğ 1 1/ 13 3 789 TOTAL 3.921.818.515.812.9 9.6 7.5 5.1 2.7 1.4 789 789 789 2 x 50441 Near No. of Hours with Tomperature Element (X) No. Obs. 63.920.720 3563009 789 ± 67 F = 73 F 90 1736419 36407 46.1 8.466 789 4.2 Dry Bulb 1301398 789 11.7 90 31658 40.1 6.287 Wat Bulb 90 789 Dow Point 915837 26108 33.1 8.117 45.4

GLCGAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7°569° NATRONA CO/CASPER MY 73-81 SEP
STATION STATION HAME YEARS MORTH

PAGE 1 0600-0800 HOURS (L. S. T.)

Temp.	T						WE	T BULB	TEMPE	RATURI	DEPR	ESSION	(F)						TOTAL		TOTAL	
(F)		0	1 - 2	3 - 4	5 - 6	7 - 8								23 . 2	4 25 -	26 27	28 29	- 30 = 31	D.B./W.B.			Dew Pain
7. / 71	7			+		+	1	-+:: -	1	1	1	1	1			1			+	9		+
-6/ 75	5			I		1	i	1	1	į	}		<u></u>				ĺ	1	1 7	7)
14/ 73				-			+	-		+	• 1	. 3	2		4-	 -			7	3+		
72/ 71							1	1	.1	. 1	1				1	!	1	1	9	3 9:		
7 / 69				+			+	 							+	+-	+-		13			
6 / 67							1		-1 -		1	1	1	}	1		ì	į	1 .			
6/ 65				÷		·	1.							4	+			- +	16	16, 18		
4/ 63						•		-,			1 .	7	•{	} 	į	1	{	İ	30	30		i
2/ 61					- -								+	+		-	-		31	31		}
/ 59							3				1	1	-	I	i	1	İ	1	27			
1./ 57				+		1 .						 	+	 	+-	+	+	-+	43	43	<u>-</u>	1
5. / 55			. 4		3: 1.(1		1		1	1		i	54	,	_	
4/ 53		. 4										+	 	 -		+-	-+-		50	54	15 26	
2/ 51	1	. 1				1		,	,	.) .	1	}			}		1	į	50			
5 / 49	_	. 4	1.1		1 1.				+		+	 	+	+	+	-+			59	50 59	<u>43</u> 57	
4=/ 47	1	. 6				-!	-1 -	. ,	1	1		1	1	i					68			
4. / 45		. 0	100			+			"	 	+	 	∤ -	 	+	+				68	72	
24/ 43		. u	2.			.,	_ t	-			1	İ		{	ĺ	1	1		52	52	91	
-2/ 41			1.						 	 		 	 	┿	+		-+-		56	56	76	
4 / 39								>	1	1	1	1	1	İ	ì	- 1	- 1	1	55	55	89	,
7 / 37		• 1						 	 	 	 -	}		 	+		-+-		46	46	83	
3 / 35		. 4		,		-1 - '	7	1	}	į	1	•	1	}	}		- [33	33	77	
3./ 33		.6					+		 	 	├ ──	 	 	 	 -	-		+	29	29	49	
2/ 31	1) -	1	* '		1	ì	1	}	1	ł	}	}	1	-	1	23	23	49	
7 / 29		. 4	• 9			+		+	 	 	├		├ ──	 	+				12	12	35	
2-/ 27		• •			>	1		1	1	ĺ		{	}		}	}		- 1	7	7	14	
2/ 25					+	+	+	 	 	 	├	 -	├						1		6	
2-/ 23		ì	• 1	1	i I	1	1	1		}			1	1		1			1	1)	4	53
2/ 21				 	+	 	 -		├ -	 		 	 	├					╅			23
/ 19		I		1	1	1	1	}	}	}	1	}	}	}	ļ	1		1		ĺ		25
1 / 17				 	 	 	 	 	 		 	 	 		+-				+			25
1:/ 15		į		i	Í									1	1					ļ		5
CTAL		<u>a</u>	17	1 44	1		10	9.7	-	4 4	-	 	 	├	-	+-			1			- 3
		7 . 7	1/0:	74.40.	11.00	44.0	1	7.1	3.6	0.2	7.4	1.1	. 6	•	3			}	790	790	790	790
Element (X)			£ X'		T	ž,		¥	7,	$\overline{}$	No. 0	be. [Me	en No.	of Hours wi	n Temperet	ure	<u> </u>	<u> </u>
Rel. Hum.	1			977		477	260	59.8	22.0			90	10	F	± 32 F		67 F	≥ 73 F	- 80 F	- 93 F		Total
Dry Bulb	1			357			206		9.9			90		-	2.		5.1			+		90
Wet Bulb	+			413		33			6.5			90		$\neg +$	6.			 	+	+	-+	90
	+-		91	366	_									-+-				 	+	+		90
Dow Point	工		91	364			155		7.7			90			39.					_		

C 100m 0-26-5 (DLA) ...

GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 725691 NATRONA CO/CASPER WY 73-81 SEP STATION 0900-1100 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 / 89 • 3 3 3 8/ 87 6/ 85 10 . 1 • 6 10 . 4 -4/ 83 _ 4 10 10 / 81 10 10 . 1 . 6 / 79 1.3 .6 21 • 5 21 77 7-1 . 4 . 8 .8 1.4 28 28 6/ 75 1.4 . 6 1.4 2.0 .6 50 50 74/ 73 .6 1.1 1.3 1.6 41 41 • 1 1.5 . 4 2/ 71 1.1 2.0 48 48 69 .6 1.8 1.1 1.6 1.3 59 59 2.0 1.8 1.9 59 59 6./ 67 - 3 - 6 16/ 65 .5 2.3 .9 1.D 48 49 -4/ 63 1.0 1.0 1.3 45 45 61 1.3 1.4 1.1 1.0 . 6 .9 1.0 1.4 1.4 59 1.0 49 50 18 57 1.7 1.1 1.9 • 1 42 42 41 5 / 55 .9 1.3 59 . 3 .5 1.0 44 44 . 6 - 1 53 30 30 106 10 : 4/ . 6 1.1 2/ 51 1.0 1.1 . 6 . 1 33 33 121 16 101 10 16 . 8 4./ 47 . 9 . 6 25 25 80 26 .1 4. / 45 32 32 84 43 . 6 1.4 .6 . 4 4/ 43 17 17 65 37 . 8 . 1 121 41 4 4 51 40 4 / 39 3 26 86 • 1 17 89 . 3 36/ 35 81 10 3./ 33 • 1 10 58 72/ 31

2 0 F

≤ 32 F

78

82

50

24

Mean No. of Hours with Temperature ± 47 F = 73 F = 80 F = 93 F

į

29

2 11

24/ 27

24/ 23

Element (X)

Rei. Hum.

Dry Bulb Wet Bulb Dew Paint

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIP WEATHER SERVICE/MAC 725690 NATRONA GO/CASPER MY
STATION MAME SEP 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 16 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Pair 13 2/ 21 1 / 17 1:/ 15 1-/ 13 TOTAL 2.7 3.1 4.4 5.8 6.0 9.1 7.711.4 9.2 9.7 9.2 8.3 6.7 4.9 1.4 795 795 0.26-5 (OL C Element (X) XX, 39.620.566 63.311.207 48.8 5.749 1585522 3297885 31520 795 = 67 F = 73 F = 80 F = 93 F Rel. Hum. s 32 F 797 38 .7 20.0 90 Dry Bulb 50485 . 1 1923103 795 38833 90 1026195 27939 90 Dew Paint

GLGBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY AIR WEATHER SERVICE/MAC 725697 NATRONA CO/CASPER MY 73-81 SEP STATION STATION HAME 1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) 6/ 97 .6 5 5 / 91 1.3 1 89 . 8 12 -8 12 8/ 87 1.8 1.4 26 26 6/ 85 . 4 2.9 .6 37 37 . 8 4/ 83 2.9 1.0 . 8 43 43 / 81 1.3 -6 3.0 . 8 46 46 79 1.0 3.9 2.0 64 64 . 6 7.1 77 .3 1.0 2.0 2.7 56 56 - 1 . 8 6/ 75 .3 1.3 1.1 . 3 2.9 1.6 . 4 62 62 47 73 .1 . 1 1.3 1.8 1.4 1.6 54 54 77 71 .3 1.6 1.4 1.3 1.1 47 47 . 1 / 69 . 3 1.0 .9 1.1 1.6 44 44 . 9 67 . 9 1.3 1.0 36 () once 6/ 65 . 4 • 5 1.1 32 32 . 4 . 9 . 5 . 9 4/ 63 . 6 . 6 32 32 61 . 5 . 6 27 27 14 . 8 / 59 . 4 . 6 26 26 28 5 / 57 - 1 • 1 . 5 1.6 . 1 . 1 25 25 76 2 5 c / 55 • 9 31 31 120 1) 4/ 53 1.0 18 . 1 18 158 2/ 51 . 8 108 49 . 1 72 12 (0-/ 47 57 6 6 11 4./ 45 43 . 8 • 5 14 14 26 44/ 43 . 1 4 58 26 .2/ 41 5 27 30 4 / 39 . 1 . 3 7 3 3 69 3.1 37 54 õ 7.7 35 71 34/ 33 63 32/ 31 118 29 85 2:1 27 65 Element (X) Mean No. of Hours with Temperate #47 F = 73 F = 80 F = 93 F 10 F Terel Rel. Hum. s 32 F Dry Bulb Wet Bulb Dow Point Wayse X

GLORAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIS WEATHER SERVICE/HAC 725690 NATRONA CO/CASPER MY 73-81 SEP PAGE 2 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point . / 25 45 2 . / 23 29 2/ 21 32 1 / 17 8 1:/15 1 1 / T TAL / 11 .6 2.8 1.5 1.4 3.0 4.4 5.3 6.2 5.3 8.5 8.6 8.6 10.8 10.3 10.0 7.5 5.1 789 789 789 0-26-5 (OL No. Obs. Mean No. of Hours with Temperature Element (X) 789 927864 22724 Rel. Hvm. 28.818.626 20 F ≤ 32 F = 67 F = 73 F = 80 F = 93 F 71.311.847 Dry Bulb 4116258 56218 789 47.5 24.6 90 40578 51.4 5.416 2110030 789 90 Wet Bulb 911764 26118 33.1 7.738 789 46.9 90 Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	3.2	1404	A CO		ATION N					73-	91			YE	ARS			PAGE			EP HTH -170
				_															· •		L. S. T.)
Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 20	29 - 30		D.B./W.B.		Wet Bulb	Dew Po
6/ 95						f		1			1	ĺ		i i			. 3	2	21 4		:
/ 91						L		+				+					1.6	13	13		——
/ 89						ì		ļ						ļj	. }		3.0	24	24		:
8/ 87														-		1.5		30	30		
6/ 85						!		:				!		. 3	. 8	3.6		47	47		İ
4/ 83		•					:	-					. 3	.5				48	48		
. / 81												• 3	. 8	1.0		1.5	. 1	52	52		·
/ 79			7								• 1	. 4	1.3	2.6	2.4	. 6		59	59		
7 77		-						· 		. 4	• 3	. 9	1.8	3.1	1.4	• 1		6.3	63		
6/ 75								!	_	• 3	-	2.0	1.8	2.5	- 4	į		62	62		
1/ 71							•		• 3	- 4		1.6	1.6	1.1	•1			50	50 42		
/ 69	i					• 3	•1	1	• 1 • 5	.8 .1	• 8	1.8	1.1	• 3	1			4 2 2 8	28		
/ 67				• 3		• *	• 1		1.1	• 5		. 8	• 1					33	33		
6/ 65		: [• 3		• 5			. 8	. 9		.6	. 3					36	36		
4/ 63			-+-			. 4	. 5		1.0	1.0		• 1						36	36	1	
27 61					. 5		. 3	_	. 8	. 4	• 1							21	21	10	
/ 59				• 3	.1	• 5			- 8	. 4								25	25	22	
/ 57		• 1,	i	. 1	1	• 3			- 6	.1								25	25	75	
5(7.55)		• 3	• 3	• 3	• 1			i	• 1									25	25	119	
4/ 53		• 3	•1	. 3		• 8	• 5		- 1					ļļ				16	16	164	<u> </u>
2/ 51	• 1	į		• 5	• 1			• 1	1									8	8	108	
/ 47		• 3		. 4		• 1		• 3						 				6	6	<u>83</u> 55	
/ 45	• 3	• 4	• 1 • 8	• 3	. 1		• 3] ,	1 }						1			11	11	60	
4/ 43		• 3	. 4		• 1									\vdash				6	6	50	
2/ 41		• 1	1	. 4				1										5	5	21	
/ 39		• 1	. 5	1				ļ —										5	5	7	
3-/ 37		•1	. 3															3	3	8	4
1/35		• 1	7															1	1	10	
0/ 33			\longrightarrow																	2	1
2/ 31	!	1	i		ļ										1						10
/ 27		P = /			-		_			N. C:	<u></u>				<u> </u>	6.22		*			6
lement (X)		z _X ,	\rightarrow		E X	+-	X	· *a	-+-	No. Ob	••	± 0 F		32 F	Mean M		73 F	Temperatu	* 93 F		Total
ry Bulb	-					+			+			201	-+-	- 32 F	- 0/	÷			- 73 F	_+	. 0.01
or Bulb			-			-+-		 	+-				+						 -		
ew Point						+		 	+-		$\overline{}$		-						+		

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY 73-81 SEP WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.B./W.B. Dry Bulb | Wer Bulb | Dew Point 2 / 27 80 / 25 21/ 23 65 35 2/ 21 40 / 19 45 1. / 15 / 13 1 / 11 TOTAL -5 2.0 2.4 2.6 1.4 3.6 4.8 5.3 6.2 5.2 5.8 9.3 9.8 11.4 10.4 8.9 10.3 795 795 Element (X) No. Obs. Mean No. of Hours with Temperature 26.618.853 72.312.090 51.2 5.272 31.3 8.302 795 ± 67 F = 73 F = 80 F 843820 21130 5 0 F s 32 F 63.1 Dry Bulb 4269086 57460 795 51.4 28.6 40740 795 Wet Bulb 2109802 90 795 53.4 832104 24860 90

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR MEATHER SERVICE/MAC 725697 NATRONA CO/CASPER WY SEP 73-81 YFARS PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B.W.B. Dry Bulb Wet Bulb Dew Poin 1-2 2 4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 1 • 1 8/ 87 6/ 85 .5 11 .3 4/ 83 . 4 8 8 13 / 91 • 1, • 9 • 5 . 1 13 1 79 20 . 4 . 9 77 • 1 20 20 6/ 75 • 3 . 8 1.4 4/ 73 .4 2.1 1.2 32 32 .9 1.4 1.4 1.2 1.4 1 71 50 50 • 3 .9 1.2 2.2 69 42 42 53 / 67 • 1 .5 1.0 1.4 2.2 1.2 55 55 6/ 65 1.9 4/ 63 • 3 • 6 .8 1.3 46 46 2/ 61 .1 1.0 2.1 • 8 45 45 . 6 / 59 .9. 2.2₁ 1. 57 57 .6 .5 1.4 . 1 7 57 21 . 3 . 6 • 3 1.3 2.4 53 53 1 5 / 55 . 6 44 44 4/ 53 •1 .6 1.2 . 5 38 38 69 3 .1 2/ 51 . 9 • 5 40 • 3· .6 . 5 40 106 51/ 49 .1 . 9 29 29 87 23 . 1 / 47 • 5 30 93 . 5 . 6 30 19 . 8 . 6 . 1 4. / 45 19 96 . 8 . 3 19 19 4/ 43 . 5 . 3 41 12 12 26 . 4 68 / 30 . 5 • 5 47 12 12 45 37 28 56 **/ 35 20 56 4 57 3.1 33 13 72/ 31 99 29 58 3 / 21/ 27 70 1 25 62 34 24/ 23 No. Obs. Mean No. of Hours with Temperature Element (X) = 67 F = 73 F = 80 F = 93 F Rel. Hum. 10 F ≤ 32 F Dry Bulb Wet Bulb Dow Point

GLURAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIF WEATHER SERVICE/MAC NATRONA CO/CASPER MY PAGE 2 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Dew Point 2/ 21 36 36 21 / 17 1-/ 15 / 13 / 11 TCTAL___ 6.0 7.1 7.4 7.9 7.912.8 9.9 8.2 9.6 5.8 4.1 2.6 1.3 780 780 780 No. Obs. Mean No. of Hours with Temperature Element (X) IZ, Ŧ 29274 37.520.886 787 Rei. Hum. 1438480 ≤ 32 F 2 67 F ≈ 73 F ≥ 80 F = 93 F 61.910.993 47.2 5.815 32.1 8.739 3083298 48286 780 15.1 5.2 90 Dry Bulb 31.8 1761978 861989 36794 90 780 Wet Bulb • 5 25019 50.3 90 780 Dew Point

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7.7569 | NATRONA CO/CASPER WY 73-81 | SEP | MONTH | STATION NAME | PAGE 1 21C0-2300 |

																			HOURS IL	. S. T.)
Temp.											ESSION (TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 16	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 - 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pair
1 79		: 1			i			1				. 1				Į.	1	1		
7 / 77									i			• 1	• 1				2	. 2		
6/ 75											. 1	. 4					4	4		
74/ 73		!						• 1	• 1	L	. 3		. 1			!	. 9			
727 71		1			i			• 1		. 3	. 4	.1					7	7	1	
/ 69								• 3	• 1	.4		• 1	- 1				14			
6 / 67							4		• 6						•	1	23			
6/ 65			<u>-</u>			. 4	• 3										26			
4/ 63					• 1	• 1	• 3								i		32			
/ . / 61					• 5	- 8	• 5			. 9							51			
/ 59				- 1	• 6	. 6				• 5	1	;				i	49	II.	1	
5-/ 57		• 4			1 , 3	. 8		1.6	• 5	• 3		·					51		7	
5 / 55		. 8:			1.1	. 4	_		. 4		1	1			i	1	67		16	2
4/ 53		1.0	• 5	. 4	+	1.9		1.6	. 9		Ļ				· · · · · · · · · · · · · · · · · · ·		68		26_	
2/ 51	• 1		1.1	• 3					. 1	i			i			i i	75	,	54	
51/49	• 3		• 5	. 9	2.1	1.1	• 6				-	·				\rightarrow	58		79	24
0 : / 47	• 4		-			1.3		• 1				. !	i				54		80	30
4./ 45		. 9	1.5	1.6	1.4						<u> </u>						54		73	26
4/ 43		1.1	1.6	. 8	1.0	1.5					í	1		-	- 1	ĺ	49		96	37
4 / 39		• 8	. 9	1.1	• 5	. 8				ļ	ļ						32		103	27
		• 5	1.8	. 4	. 4	• 1							į		!		25		87	38
3 / 37		. 9	- 8	• 5	• 1	- i									i		18		54:	52
30/ 33		• 8) • 9)	. 4 . 3	. 4		ĵ							i				12		55	64
2/ 31	+	• 1	• 3	• •							-	 				-	12	12	36	101
7 / 29		• 1,		į	1		ı				1		}			1	1	1	7	101
2.1 27		-		 - - †											-	 -	+	++		5.3
. / 25					!	i						l i							•	36
24/ 23		+									 				+-		+	++	÷	30
2/ 21	!		ì														1	1		39
1 10		+			+							1					+	++	+	36
1/ 17	1	5	i		!								!				İ	1		17
1:/ 15																 -	+	++	+	- 2
14/ 13		i	!	İ	!	l i							:				1		:	5
Element (X)		Z X'			E X	Τ'	¥	₹ A	\Box	No. Ob	s.				Meen No.	of Hours w	ith Tempere	ture		-
Rel. Hum.												≤ 0 /	, ,	32 F	± 47 F	≈ 73 F	- 80 F	≥ 93 F	7	etel
Dry Buib						\Box														
Wet Bulb																				
Dew Point						\top							\neg							

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC ATE WEATHER SERVICE/MAC NATRONA CO/CASPER MY PAGE 2 2100-2300 HOURS (L. S. T.) TOTAL TOTAL
D.B./W.B. Dry Bulb Wet Bulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 1 / 11 TAL .310.210.8 9.913.112.311.513.0 8.3 4.8 3.1 1.8 .4 794 794 794 ğ X ... 50.920.823 Z X Mean He, of Hours with Tempo Element (X) No. Obs. USAFETAC 794 2403845 40443 10 F s 32 F +67 F +73 F +00 F • 93 F Rel. Hum. 52.9 9.084 43.4 6.084 33.1 8.581 794 Dry Bulb 2289308 42018 90 3.1 1527631 34491 794 90 Wet Bulb 90 925771 794 45.1 26243 Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF REATHER SERVICE/MAC

NATRONA CO/CASPER WY

725691

PSYCHROMETRIC SUMMARY

STATION				\$T	TATION NA	ME								YE AR	•				MON	
																	PAGE	1	HOURS (L	
Temp.						WET	BULS .	EMPER	ATURE	DEPRE	SSION (F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26 2	7 - 20 29	- 30 • 31	D.S./W.S.	bry Bulb	Wet Bulb	Don Po
6/ 95																.,	2	2		
4/ 93		i			1	,										. 1	9.	9		
1 91															-	.0 .4	25	25		
/ 89		i		. 1	. 1										1	.1 .5	39	39		
8/ 37						•									• 1	•5 •5	63	63	,	
6/ 85													ì	• 1,	• 4	•9; •1	105	105		
4/ 83		,				:						• D	• 1	• 3	. 8	.3 .2	109	109		
2/ 81						1					• 1	.0	. 3	. 4	. 8	.3, .0	121	121		
1 79											• 1	• 2	. 4	1.2	• 6	•1.	166	166		
1:/ 77;				. !	: 1	;			• 3	. 1	• 1	. 4	. 7	1.0	• 3	• D,	171	171		
6/ 75									• 1		. 5	.7	1.0	.7	• 1		204	204		
4/ 73				:	:	• 7	. C	• O;	• 1	. 3	.6	. 9	. 8	• 2	. 0	1	191	191		
71					•0	• 0	• 0	. 1	• 2	. 9	.7	- 8	. 5	• 0			214	214		
/ 69		i		ļ	.0	. 0	. 1	• 2	• 5	.5	. 7	. 8	. 3	1	-	:	. 208.	208		
/ 67				• 0		.0	• 3	. 3	. 8	.7	. 8	.6	• 0				225	225		
6/ 65		1	• 0	• 0	.0	. 3	. 3	- 6	.7	.7	.7	. 3	. 0		ļ.	1	232	233		
4/ 63			• 0	.0	.0	. 4	.6	.6	1.0	. 9	. 3	.0					246	246	4	
2/ 61	'	ì	• 0	. 1	. 4	. 5	. 4	.9	1.0	.7	.1	. 0		1	ì	!	263	263	30	
/ 59	• 3		•1	.1	.5	. 5	1.0	1.0	1.0	. 4	.0						291	292	77	
/ 57	!	. 1	. 1	. 4	.5	.6	. B	1.4	.7	. 2	.0	i				j	310,	310	227	
/ 55	-1	• 5	. 4	.6	.6	. 8	1.3	. 9	• 3	.0							352	352	394	
4/ 53	. 1	• 5	. 4	. 4	. 6	1.1	1.0	.6	• 3			1	i	1			318	318	586	. 4
2/ 51	• 1	.4	.6	. 5	.9	1.1	. 8	. 5	.1								308	308	599	
5/ 49	. 2	. 6	. 4	. 9	1.0	. 8	. 6	- 3	2	{		1				i	307	307	559	11
/ 47	. 4	. 8	.9	. 9	1.3	. 9	.6	• 0									369	369	532	10
/ 45	• 3	1.1	1.2	1.1	. 9	. 5	.1	İ		ł			}			- 1	336	336	593	24
4/ 43	• 1	1.1	.9		.9	. 4	• 0										272	272	612	2
2/ 41		. 9			1 1	. 3	• 0			l		-		i i	1	İ	255	255	524	25
/ 39	• 3	. 9	1.1	• 6		. 1		1									195	195	450	•(
7 37	. 2	. 8	. 6		.2	• 0								- 1	1	j	142	142	394	4
-/ 35	.1	. 8	.5		•0						1		-				111	111	270	5:
- / 33	. 2	. 9	. 2	. 2	• 5	. 1				ļ		ł	!	}		{	93	93	226	5
2/ 31	•1	.4															47	47	147	82
/ 29	. 1	. 1	. 1	: 1	ı î	1					()	l		. i		1	24	24	62	54
ioment (X)		24,			Z			X C			0.	Mean No. of Hours					with Temperature			
el. Hum.											1 0 P		32 F	#47 F # 73 F		- 80 P	▶ 93 F	3 F Total		
by 80-16			-	i		_											T	1		
les Bulb																1	1		7	
																				

M. C. 0-26-5 (O.L.A) sevators

GLOSAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR MEATHER SERVICE/HAC NATRONA CO/CASPER MY 73-81 SEP PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Builb Wet Builb Dew Point 31 485 2-/ 27 . 0 400 ?-/ 23 240 260 13 245 / 17 88 1 / 15 36 1/ 11 9 . 1 1. / 2.0 9.8 9.1 8.5 9.0 8.6 8.0 7.6 6.8 5.7 4.7 4.8 4.2 3.8 3.0 2.3 2.0 6328 6328 6328 () õ 0-26-5 Element (X) No. Obs. 290345 368672 289473 45.924.617 58.214.182 45.7 7.280 6328 6330 Rel. Hum. 17156075 2 0 F s 32 F =67 F = 73 F = 80 F = 93 F 22745196 8.6 210.7 137.1 63.7 720 Dry Bulb 28.6 13577183 6328 720 Wet Bulb 6328 359.1

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

STATION	NA	TRON	A CO		PER					73-	81			YEARS		PAG	 E 1	0000-	TH
																		HOURS IL	
Temp.	 ,							TEMPER								TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7.8	9 - 10	11 - 12	13 - 14	15 - 16	,	19 - 20	21 - 22 23	- 24 25 - 2	6 27 - 28 2	- 30 = 31	D.B./W.B.			Dow Po
/ 61	i					1			ĺ	• 2		1	ĺ			3	2		
5/ 57	+				•	• 2			. 8	• 2	•1	 -		+		11	11		
5.7 55					• 2				1	. 4	••		ļ			19	19		
4/ 53					2		1.2					+		++		27	27	 +	
2/ 51					1.0			1.0		,	'	! !			1	30	30	:	
5 / 49		•1		. 4								•		1		29	29	3	
··/ 47		• 1	• 6	. 4			1.2	•1	1			1		1		34	34	4	
+ / 45		.7	.6	1.0			1.5			ì		1				54	54	9	
4/ 43		1.0		2.1		1.8	. 5			1		<u> </u>		<u> </u>	·	74	74	38	
2/ 41		1.7				. 7	1									79	•		1
/ 39		1.8					ļ	<u> </u>	: 					1		86	86	61	1
3 / 37		-	2.2		.6			1			!				ł	75	75		7
/ 35			1.6					<u> </u>	· 					+		52	52		- 4
3 / 33 2 / 31	- 1		1.8		• 5		Ī	l	}			f	İ	1	1	56	56	:	4
/ 29	1.2	1.5	- 8	1.3			 							+		85	85 32		
/ 27	.6		• 5	.1			İ	į .				į į	j		Ì	26	26	1	ä
/ 25	•1	1.0					 	 						++-		14	19	37	
2 / 23		1.6	• 1	• •	1		:					l i	- 1	1	-	18	18	21	
2/ 21	• 5	1.0				 	 					 				12	12	19	
/ 19	. 2	. 1					ĺ									3	3	8	5
117		. 4												+		3	3	4	
1./ 15		,)		1	ĺ		1									7
4/ 13												1		1					1
/ 11	1	1	:				1	Ĺ İ					1	L .1_	_L			1	
1 9												1							
-/ 7	1						<u> </u>												
// 5	I	1	1													1			
1/3		اء ج	أيري	., -				-				 		+				-	
TAL	4 . 5	25.4	17.8	16.7	14.7	5.6	6.6	2.8	1.9	- 8	.1		i	1 1			824		82
							 							++		824		824	
lement (X)		£ 1.			Σ ₁		<u> </u>	<u></u>	لـــــا	No. Ob				1	of Hours wi	A Years			
el. Hum.			5505	·	- X 518	53		20.0			24	5 0 F	1 32 F		- 73 F	- 90 F	- 93 (,	etal
by Bulb			2157		323			8.4	1		24		21.		+	+	+	·	9
ler Buib			4978		279			5.8	1 .		24		34.		+	+	+		- 5
ew Point		60	6111		216	us -		6.9			24		76.		+	+			

GLCAAL CLIMATOLOGY BRANCH USAFETAC AI- WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

2569	NA	TRON	A CO		PER					73-	81			YE	ARS					O(
3121108				•	,										-			PAG	E 1	0300-	-0500
Temp.						WET	BULB T	EMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 . 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 24 2	5 - 26	27 - 28	29 - 30	* 3 1	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pei
/ 59			:		1			• 1	1				Í	1	- !			1	1		
57					1		• 2											15	15		
5 / 55					2			• 4		7.5		1 1	1	- 1	i				18		
4/ 53 2/ 51					.7		1.1	.4				 	+					18 22	22		
5 / 49			. 1	• 2			1.0						1	Ì	1			33	33	2	
1 47		• =	. 4				2.0					1						33	33	5	
4-/ 45		.6					1.0			į i				i	. 1			52	52	1	
4/ 43		1.3			2.3							1						59	59	25	
-2/ 41,		1.6	. 9	2.3	2.9	1.5	.: 			i		<u>l</u> l						75	75	41	1
1 / 39	• 2	1.0	2.2									! T		1	7			54	54		19
3. / 37			2.4						; 			i						78	78		21
7 / 35	-		2.0		i.				İ			1	1	j		1		78	78		22
3-/ 33			1.2		+				ļ			 -						63	63		50
2/ 31		5.5			1	,									}			75 53	75 53	1	8
3 / 29		2.7		-		 	·		 			++						38	38		8
2/ 25	• 0	1.8			t		! i		İ			į į]	j	j.			19	19	/	71
21/23		1.6			+		 					++	+					14	14		81
2/ 21	. 1	1.1				İ	į Į		j			(į					13	13		6
7 19	. 4				1		1		1									11	11	10	10
1 / 17	• 5	. 2			!				! !	}					ĺ			6	6	16	4 (
1:/ 15	•1					1								1				1	1	1	2
1-/ 13			<u> </u>	ļ	Ĺ	ļ 			Ĺ			1									1
1// 11						1	ĺĺ		1			1	1	- [į			1		(·
1/9				; 	ļ	.	 					├						ļ		 	
1 7				:		1			Í			1		i	1			Ì			
1/5		 -				-						!						 			
TOTAL	4 . 4	71.2	16 6	14.3	11 6 7	9.4	6.4	2.4	1.0	. 1			1	[ĺ				817		81
TOTAL	0.7	31.02	1303	14.5	3702	0.0	7 00-7	207	1.00	••		1						817		817	
			<u> </u>																		
Element (X)		Z _Z ,			Zx		<u> </u>	•,		No. Ob					More M	ام. ما M		A Tempere	hure		
Rei. Hum.			7433		533	25	65.3				17	1 0 F	5 :	12 F	* 67		73 7	* 90 F	- 93	F 1	letel.
Dry Bulb			9232		309		37.9				17			6.2		_		1			9
Wet Bulb			8839		269		33.0			8	17		4	1.2		\neg					9
Dew Point		58	3970	r	211	38	25.9			- 8	17		7	8.4				T			9:

GLERAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATE MEATHER SERVICE/MAC OCT 705691 NATRONA CO/CASPER MY 73-81 STATION (PAGE 1 0600-0800 'ET BULB TEMPERATURE DEPRESSION (F) Temp (F) 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | y - 10 | 13 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | • 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 4/ 67 . 2 5 . 4 / 59 . 4 11 11 -/ 57 . 6 . 1 5 / 55 1.2 19 . 4 4/ 53 25 25 2/_51 1.7 1.0 .1 .6 33 . 7 31 5 / 4? 1.0 31 . 1 • 2 4./ 47 .1 1.2 3.3 2.1 53 49 12 4. / 45 . 4 .9 1.4 2.6 4/ 43 2.7 60 60 29 1.4 1.8 1.8 1.7 2.2 2.5 2/ 41 72 72 63 8 . 6 4 / 39 .1 1.4 2.0 1.5 1.7 57 69 17 1.8 2.2 2.6 26 37 64 64 66 116 26 7/ 35 .2 3.6 1.7 1.7 66 3.1 33 4.1 1.1 1.2 60 61 104 46 2/ 31 .7 5.2 2.6 1.0 77 77 86 88 29 2.6 1.4 . 1 43 43 89 82 .4 1.5 21 21 48 106 2.1 27 . 6 . 1 34 24 24 80 25 .1 2.3 • 2 2-/ 23 23 78 .1 1.0 11 11 10 10 64 21 21 .1 1.1 16 13 103 8 8 19 . 6 . 2 17 4 4 4 41 17 1./ 15 • 1 1-/ 14 13 4 3 ತ 7 1 :/ 5 1 5.129.114.713.612.611.8 7.0 3.5 1.7 812 811 811 811 51302 Mean No. of Hours with Temperature Element (X) No. Obs.

811

812

811

811

1 32 F

22.9

36.2

78.3

- 80 F

• 93 F

93

93

63.320.868

39.3 8.991

33.9 6.031

26.2 6.464

31910

27459

21280

Dry Bulb

Wet Sulb

3597982

1319560

959179

592214

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725690 NATRONA CO/CASPER MY 73-81 QCT
STATION STATION NAME PAGE 1 QCQ-1100
HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 D.B./W.B. Dry Bulb Wet Bulb Dow Poin 6/ 75 • 1 4/ 73 . 5 - 1 71 1.1 1.6 / 69 6 / 67 .4 1.4 1.1 26 26 16/ 65 27 4/ 63 . 2 . 1 .9 2.7 . 9 39 2/ 61 • 1 .4 2.7 1.1 38 38 / 59 .2 1.1 1.6 1.8 46 46 . 7 47 47 .5 2.6 1.6 / 57 55 .1 1.4 1.6 2.5 1.0 56 56 4/ 53 1.1 2.3 1.7 56 56 34 13 2/ 51 34 . 2 1.1 .9 1.5 5 / 49 .7 1.0 2.3 1.4 52 52 41 4 / 47 50 50 73 1.0 .5 1.7 1.7 1.1 . 1 .7 1.5 1.7 1.2 1.0 57 57 4.7 45 4/ 43 . 9 1.4 1.6 . 9 45 45 96 9 12/ 41 1.0 1.5 34 34 95 19 . 4 . 2 92 4 / 39 . 9 .6 1.7 25 25 16 3-/ 37 . 5 2.1 1.1 38 38 80 40 40 . 9 26 26 58 .2 1.6 . 4 34/ 33 .1 1.8 28 54 2/ 31 36 113 .2 2.2 2 / 23 115 7./ 27 10 -1 1.3 10 15 102 5 14 88 / 25 24/ 23 1 64 • 1 2/ 21 59 59 1-/ 17 17 1:/ 15 10 14 1. / 11 Element (X) ±47 F = 73 F = 80 F = 93 F s 32 F 10 P Rei. Hum. Dry Bulb Wer Bulb Dow Point

PORM D-26-5 (OL.A) REVISED REFYCUS ESHICHES OF THIS FORM A

SAFETAC 10mm

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATF WEATHER SERVICE/HAC NATRONA CO/CASPER MY OCT 73-81 0900-1100 HOURS (L. S. T.) PAGE 2 TOTAL
D.S./W.S. Dry Bulb Wet Bulb Dow Point WET BULB TEMPERATURE DEPRESSION (F) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 = 31 1 4 1 0 8 9 7 9 8 3 9 7 1 1 4 1 0 9 1 0 8 0 9 5 7 8 0 5 2 3 7 1 5 (F) TAL 915 814 814 38352 41162 2200082 7 47.121.989 50.511.2.6 40.3 6.143 No. Obs. 814 Element (X) ≤ 32 F 5 • 8 Rel. Hum. 10F ≥ 67 F - 73 F - 80 F + 93 F 2181302 7.5 .8 93 815 Dry Bulb 1350977 32783 814 11.4 93 Wet Bulb 677892 Dew Point 22928 814 73.5 93

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC NATRONA CO/CASPER MY 73-81 OCT 1200-1400 HOLES (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 70 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | > 31 D.B. W.B. Dry Bulb 4/ 83 / 81 8 • 1 7:1 77 6/ 75 4/ 73 .5 1.4 1.2 2.2 1.9 32 32 1.0 40 40 71 .7 1.7 2.4 43 43 .2 2.5 2.4 1.0 .6 2.4 1.6 .1 / 69 52 52 6-1 67 44 44 • 6 6/ 65 .5 1.5 2.2 4/ 63 .4 1.2 1.2 1.0 32 32 1/ 61 1.6 1.0 40 40 / 59 .2 1.0 2.1 1.6 1.5 52 52 .7 .5 2.4 .6 1.2 3.1 1.2 1.1 / 57 51 5 / 55 54 1.2 54 1.4 2.2 1.5 . 1 2/ 51 . 2 1.0 1.4 1.0 37 37 62 1.0 1 49 5-7 47 24 112 81 . 7 41/ 45 35 18 4/ 43 18 . 2 4 / 39 17 13 13 62 37 3: / 35 12 12 29 46 3: / 33 10 49 10 35 17 103 17 19 85 24/ 27 24/ 25 121 10 84 24/ 23 59 2/ 21 71 60 / 19 Element (X) 2 41 ž x No. Obs. Mean No. of Hours with Temperature ±47 F = 73 F = 80 F = 93 F 1 32 F Dry Bulb Wet Bulb

GLUBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 725690 NA-TRONA CO/CASPER MY 100 73-81 1200-1400 HOURS (L. 5, 7.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) 1 / 15 10 1 / 13 8 1 / 11 Z 2 2 1 -1 •7 6 • 6 5 • 1 4 • 3 5 • 1 6 • 7 8 • 6 1 3 • 1 9 • 7 7 • 6 1 0 • 0 8 • 1 7 • 6 5 • 5 1 • 0 • 4 ^TAL 807 807 807 9 29388 29388 1429254 No. Obs. Element (X) 36.421.106 57.912.634 43.6 6.370 807 1 32 F ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. 2 0 F 27.9 11.9 2837826 93 46758 807 Dry Bulb 1564412 35158 6.0 93 Wet Bulb 807 74.0 646695 22187 27.5 6.748 807 93 Day Paint

GLOBAL CLIMATOLOGY BRANCH USAFETAC Al- WEATHER SERVICE/MAC

72569 NATRONA CO/CASPER MY

PSYCHROMETRIC SUMMARY

OCT

1500-1700 HOURS (L. S. T.)

15

6

101 91

82

79 86

34

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) 4/ 83 / 81 1 79 .6 1.1 18 18 7-1 77 .2 1.7 1.C 24 6/ 75 1.8 1.7 31 31 4/ 73 .8 3.3 42 1.0 1.5 2.8 :/ 71 44 44 .8 2.2 47 47 / 69 2.3 6 / 67 . 2 .5 2.4 2.7 52 52 6/ 65 .4 1.2 2.1 42 42 4/ 63 .8 1.2 1.3 34 34: 7/61 .5 1.5 1.5 35 .4 1.5 2.1 1.1 1.6 2.3 1.6 .5 / 59 • 1 . 5 • 5 50 50 . / 57 52 5 / 55 .2 1.8 2.1 1.0 48 48 2 4/ 53 . 6 2.1 1.7 1.1 50 50 2/ 51 • 6 1.0 1.0 .7 29 29 74 .7 5 / 49 28 28 93 • 6 0 / 47 104 . 2 18 18 • 2 . 6 4-/ 45 102 - 1 . 8 . 6 28 28 4/ 43 . 6 . 8 . 5 . 1 32 32 96 83 2/ 41 17 71 39 . 2 17 14 3./ 37 15 44 26 1 / 35 31 . 7 27 27 25 1.6 . 6 34/ 33 40 10 10 46 2/ 31 .1 1.1 16 16 18 89 22 86

73-81

2-1 27

2-1 23

2/ 21

15/ 17

Element (X)

Rel. Hum. Dry Bulb Wet Bulb

34.74

Mean No. of Hours with Temperature

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 72569C NATRONA CO/CASPER MY 73-81 OCT YEARS 1500-1700 HOURS (L. S. T.) PAGE 2 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 . 31 D.B.-W.B. Dry Bulb Wet Bulb Dew Point (F) 17 1 / 15 8 ! / 13 1 / 11 8 .4 7.0 5.3 4.6 5.0 5.6 9.710.9 9.1 6.5 9.6 8.111.0 5.0 2.5 827 827 827 ₹ Q Q Mean No. of Hours with Temperature Element (X) No. Obs. 1420163 *67 F *73 F *80 F *93 F 29 .6 13.5 1.7 Rel. Hum. 827 4 0 F ≤ 32 F 2928672 48002 58.013.130 827 3.7 Dry Bulb 43.2 6.498 1579521 35741 93 827 Wet Bulb 93 77.9 614477 21833 Dow Point 827

SLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR HEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569" NATRONA CO/CASPER WY 73-81 QCT
STATION STATION NAME YEARS PAGE 1 1800-2000 HOURS (L. S. T.)

Temp.					WET	BULB T	EMPER	ATURE	DEPRE	SSION (F)					TOTAL		TOTAL	
(F)	0 1 2	3 . 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25 -	26 27	- 28 29	. 30 + 31	D.B./W.B	Dry Bulb 1	et Bulb	Dew Paint
4/ 73											• 1	. 1				2	2		
. / 71	i i									- 1	. 1			. 1		. 2	2.		
/ 69									• 1		• 2	•1	-	-		4	4		
5: / 67								. 1		. 4						. 8	8.		
6/ 65							• 1		1.0							16	16		
:4/ 63			,						. 6							15	. 15		
. / 61						. 2		. 7	1.1	. 5						21	21		
/ 59						. 4	• 9	1 . 5:	. 9	• 1						3.0	30.		
/ 57					. 4	.6	1.6	1.2	. 7	• 2						3 9	39		
5. / 55				. 4			2.8						i			59	59		
4/ 53		• 1	• 1				2.3						" Ţ	1		5 6	56	1	
2/ 51	•,2	• 2		. 4	2.2	2.3	1.1	• 5								57		4	
5 / 49		• 2	. 4	1.5	2.6	3.1	1.5	- 1	;				i	- 1	ļ	76	76	13	2
· / 47							. 1	: 								51		29	2
4. / 45	•1	1.3	1.1	1.8	2.0	• 5				i			į	1	i :	56	56	46	1
-4/ 43	1.1	. 9	2.7	2.8	1.2	• Z										67		89	1
12/ 41	1.3	1.0	1.5	1.7	• 5	• 2	į				i i	1	i		1	5 1		120	13
4 / 39					. 6										+_	35		120	16
3 / 37	. 6		,	_		1	!					1	- }	ĺ	İ	36		107	33
1 35	1.7				• 1		i									34		79	35
3 / 33	1.5						i	1	1	i	į	i	Ì	1	}	24		63	46
2/ 31	.2 1.6									- i						29		39	86
7 / 29	.1 1.6					i	i	į	1	1		i	1		1	18		38	71
2.1 27	.4 1.3		• 2													16		31	109
21 25		• 1	:	1]	ì	1	ļ			- 1	1			3	21	86
2-/ 23	.6										\longrightarrow							<u> </u>	61
2/ 21	. 4		1		!	1	1		ŀ	1	!			1	1	3	3	4	79
7/10	. 5															44	4		84
1 / 17	1 1	- !	ļ	ļ				}	ł	- 1			-	})		! .!	3:	39
1:/ 15	++	i											-+-				+		23
14/ 13				ļ	1	ļ	j	į	ĺ	1	Ì	:	1	1			1		17
1./ 11		+															+		<u></u>
1 / 9					1	}				į	1				ļ		1		2
7 7				نـــــــ	/		نـــــــ	لـــــــــــــــــــــــــــــــــــــ						<u> </u>		<u> </u>	<u> </u>		3
Element (X)	, z ^x ,			t X		X	<u>*</u> *		No. Ob			1				ith Tempera		-,,	
Rel. Hum.		\longrightarrow			-						10F	= 35	-	≥ 67 F	⇒ 73 F	- 80 F	₹ 93 F	 '	otai
Dry Bulb								-+-				+			 	+		 -	
Wet Bulb		 ∔										+	-+-		 	+		+	
Dew Point																			

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIL WEATHER SERVICE/MAC NATRONA CO/CASPER NY 725693 OCT 73-81 1800-2000 HOURS (L. S. Y.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL
D.B./W.B. Dry Bulb Wet Bulb Dew Paint 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) 817 .714.1 8.711.014.013.011.510.4 7.1 5.3 2.4 1.5 TAL 817 (OLA) 0.26.5 12 2x' 2356236 Element (X) Mean He. of Hours with Temperature OSAFETAC 817 s 32 F Rel. Hum. 40334 = 67 F = 73 F = 80 F 10F - 93 F 1886615 38413 819 1.8 93 Dry Bulb Wet Bulb 1206436 31038 817 16.6 93 610764 21618 26.5 6.891 817 93 Dew Paint

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

72569 NATRONA CO/CASPER WY 73-81
STATION STATION NAME
PAGE 1 2100-2300 HOURS (L. S. T.)

Yemp.						WET	BULB	TEMPER	ATURE	DEPRI	ESSION (F)						TOTAL		TOTAL	
(F)	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	2 31	0.8.74.8.	Dry Bulb	Wet Bulb	Dew P
6/ 65					 				1	1	•1						1	1	1		
4/ 63						}	•	1	}	į	1	1		ĺ		Ì	ì	i	i		
5/ 61				•			•	+		.1		 +		•		ţ	+	2	2		
J / 59]							. 1	. 7	. 1	1 .		!		i	i)	ļ	14			
5 / 57						• 2	. 4				• 1	++		 	1	 	 	13			
5 / 55							1.0		. 2)	!	1	-	22			
4/ 53					. 2		9	1.0	.1	. 2	+			 -		,	+	22			
2/ 51		. 1	'		1.0		1.8	. 1.7		. • -	ï	1		ļ	1	-	1	45			
5 / 49		4	. 2		.7	1.7	2 7	9	 • •	+	 	 		 	 		+	55			
B - 1 47					1.2					:	į.	. 1		1	}	1		61			
4 / 45		• 5	7	• •	2.1	1.7	1 6	• 1	+		 			 	 	 	+	62			
4/ 43					3.4					•	1			1				87			
12/ 41					3.3				+		!			 	+	 	+	88			
4 / 39					1.8			1		ļ.	į	i .		i	{	į	į	63			
3. / 37				1.2						 		 		 	 	†	+	38			
74/ 35	3				.4				1	!	i I			į	}	1	Į.	52			
3-/ 33	• 4	2 0	2 7	202	• 5				 	 	+	·			 		+	46			
2/ 31	• 1							1	i	i	į	1			1	1	ļ	57			
7 / 29				1.5				 	 	 		 			 -		+	31			
2 / 27					. • 2		i !	1	İ	i :	i	!			1	ļ	1	21			1
/ 25		1.0	•6				 	 	 	 	i	·			 	+	+	- 4			
2 / 23						:	!	1	}		į	1		!	ì						
2/ 21		• 6 • 6						 	 	├	 				 		+	9	9	16 8	
					i		r	t	Í		1	1		i	l		ì	5	; -	9	i .
/ 19	• <	.4			 		.	ļ	 -	 	 	 		 -	 		+	 	1 3		
	• 4				1	}	1	i		1	ŀ	1 1		Ì	i	1	ĺ	3	, ,	•	
1/15						 	 -	 	 	├	 -			 	 	 	+	 	 	 	ļ
14/ 13					, ,				1			! !				1	1				:
1 / 11									 -		 			 	 	├	+	+	 		
	i				!	ŀ	1	-	}		}	1 1		1	!		-	1	1	 	1
/ 7										├		 			 		+	 	 		
					}			1				()		1			-		i	i	1
1 3					 	 -		 -	 	├	 				 	 	+	 	 	 	
, 1						1		}	}								1		1	1	j
Element (X)		z K,			Σχ	' 	X	•		No. Of	ba.	<u> </u>			Mean	No, of I	iours wi	th Tempere	ture		
Rel. Hom.		_=										101	,	32 F	= 67	•	≥ 73 F	- 80 F	× 93	F	Tetal
Dry Bulb						1												1			
Wet Buib													_		1	_		1	1		
Dew Point								 							 			+	 		

SAFETAC ROSS

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 725690 STATION NATRONA CO/CASPER WY OCT 73-81 2100-2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 2 - 1 2 1 - 8 1 5 - 5 1 5 - 5 1 5 - 5 1 0 - 6 1 0 - 8 6 - 2 - 9 1 - 0 - 6 813 813 TOTAL 813 ತ 0.26-5 Element (X) 58.920.303 47877 3154143 132 F 16.1 Rei. Hum. 913 ±47 F = 73 F = 80 F = 93 F 10F 41.5 8.639 35.1 5.885 26.5 7.127 1459664 33726 813 Dry Bulb 1031548 28562 813 27.0 Wet Builb 610562 21514 813 74.0 93 Dew Point

SLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC NATRONA CO/CASPER MY 73-81 OCI PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Sulb Wet Sulb Dew Pain 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 -4/ 83 .0 • 2 • 1 26 26 / 77 42 42 75 . 4 . 4 64 64 4/ 73 90 90 71 • 0 97 97 / 69 . 8 128 6 / 67 • 2 . 8 • 1 130 130 6/ 65 130 130 63 . 5 .0 122 122 27 61 143 143 / 59 200 200 5-/ 57 230 230 • 5 5: / 55 • 2 1.6 • 9 • 0 292 292 4/ 53 302 302 1.5 . 1 2/ 51 287 287 153 5 / 49 277 322 322 L-/ 47 1.0 1.5 1.7 1.5 338 4 / 45 393 393 397 -4/ 43 2.2 1.3 . 6 • 0 442 442 502 35 12/ 41 436 436 597 40/ 39 1.1 134 1.4 350 350 611 3-/ 37 371 371 712 226 36/ 35 2.1 1.2 1.2 347 671 283 299 297 34/ 33 1.0 631 381 3.1 1.7 '2/ 31 382 382 717 - 6 429 29 1.5 203 204 437 666 27 1.5 141 141 283 ತ 790 267 25 76 76 195 697 29/ 23 55 55 98 586 ?2/ 21 48 48 63 547 1 / 19 31 31 674 41 302 Element (X) Mean No. of Hours with Temperature Rel. Hum. Dry Bulb Wat Bulb Dow Paint

(. <u>?</u> {

(

C C C C

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 72569 NATRONA CO/CASPER MY OCT 73-81 ALL HOURS (L, S, T,) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point (F) • 0 1: / 15 146 3 110 1./ 11 18 12 5 10 . / 10 6530 6530 TOTAL 2.618.211.511.211.3 9.5 8.8 7.4 5.1 3.6 3.5 2.7 2.6 1.3 .4 .2 6530 21560818 341654 Element (X) No. Obs. Mean No. of Hours with Temperature 6530 1 32 P 1 0 9 • 0 Rel. Hum. = 47 F = 73 F = 80 F = 93 F 2 0 F 46.422.951 37.6 7.303 26.7 6.787 2.6 Dry Bulb 15174921 303303 6534 26.4 9585890 245636 6530 180.1 744 Wet Bulb 174103 4942685 744 .1 608.3 Dew Point 6530

i de la composición de la comp

SAFFTAC FOR

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC ATR WEATHER SERVICE/MAC 72569 ' NATRONA CO/CASPER MY NOY PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 5: / 55 -4<u>/</u>53 2/ 51 • 3 • 5 5 / 49 . 9 .9 41/ 47 20 . 3 20 41/ 45 • 5 4/ 43 1.3 1.3 1.8 38 2/ 41 47 1.1 .4 1.9 1.4 4 / 39 34 34 22 29 29 .6 1.6 42 47 7 / 35 1.6 1.1 38 1 38 .6 3-7-33 1.5 1.4 1.6 43 43 2/ 31 .4 3.0 4.2 70 70 57 29 . 6 . 6 1 29 .5 3.6 1.9 53 66 7-1 27 .3 4.4 2.8 60 60 91 57 .1 2.6 / 25 37 37 69 51 1.5 ~ / 23 .1 2.3 1.6 33 33 51 48 21 3.3 1.3 36 36 19 54 92 5.8 63 63 59 1 / 17 25 .5 2.3 52 15 1.9 20 20 23 60 14/ 13 1.1 18 18 22 66 1.1 17 1 / 11 14 14 46 Q 1.3 16 16 19 46 . 8 11 30 11 . 3 16 5 10 3 3 3 6 10 10 -1 1 -5 8 -c/ -7 -9 2 Element (X) ZX' ZX Ī No. Obs. Mean No. of Hours with Temperature Dry Bulb Wet Bulb Dew Point

ĝ

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATR MEATHER SERVICE/MAC 725690 NATRONA CO/CASPER WY NOV 0000-0200 HOURS 1L. S. T.1 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point -1 /-13 1 9.637.219.511.310.2 6.3 3.4 1.8 795 795 795 795 3 õ 0.26.5 3716898 X . 65.918.313 Mean No. of Hours with Temperature Element (X) No. 0bs. 10F 28.812.268 24.9 9.698 17.5 9.200 55.9 90 Dry Bulb 777298 22868 795 2.3 566565 19775 795 68.7 90 2.5 Wet Bulb 13947 795 89.2 90 311885 4.1

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

PSYCHROMETRIC \$

72569 NATRONA CO/CASPER WY

73-81

,																				4.4.4
Temp.						WET	BULB	TEMPE	RATURE	DEPRE	SSION (F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	+		17 - 18	19 - 20	21 - 22 4	3 - 24	25 - 26	27 - 28 2	9 - 30 *	31 D.B./W.B	- Dry Builb	Wet Bulb	Boy Pa
5 / 55						ļ	,	• 1	1	1		1	ĺ		ĺ		1 3	1 1	l	i
2/ 51						. 3				<u> </u>								7		-
5 / 49	1			i	• 3	- 4	• 8	1	1	ĺ		i i	- (1		13		1	l
4 / 47					. 8				<u>'</u>								21			
4-7 45		'		- 1	1.0	• 9	• 5	ił .		1			- 1		}		20			1
4/ 43					1.3			<u> </u>	<u> </u>	L			1				2.			<u> </u>
2/ 41			. 3	1.8	.8	1.1	. 4)	1			i					34	34	7	1
4 / 39			. 8			.6	<u> </u>	<u>i</u>	<u> </u>	İ							39			
3 / 37			1.6	1.5	1.1	• 1	j]	1								3 9	35	33	4
31/ 35		. 4	1.5	1.4	1.6	. 1	Ĺ	1	L	<u> </u>							40	3 40	48	1
34/ 33		1.3	1.6	1.1	1.1	: !	I		1				T				4	41	56	
2/ 31	. 1	2.1						1							<u> </u>		4	3 43	55	
7 / 29	. 9	4.3	2.8	• 8			!		1								69	69	76	3
27/ 27	. 4	4.9	1.6	. 4			1	ĺ	1							_ 1	5 8	58	67	6
11 25		3.1							1								41	44	86	
24/ 23	. 6	4.2	1.4			i	1	1	1	ļ							44.5	49	59	5
2/ 21	. 5	3.4	2.0					1		1							4	7 47	49	
~ / 19		4.5					ļ	Ì					1				44	48	49	10
14/ 17		2.6	• 5														2 5	25	36	7
1:/ 15	1.1	3.0					1		1	[1				34	34	39	5
14/13		1.3	• 3				1	t	t								19	19	29	5
12/ 11		1.3				ĺ	į		İ				1			1	1	1 17	16	6
1 9	.6		• 1				!		\vdash								1			
7/ 7	. 5	. 9	. 3			{	l		ł	ļ			1			}	1			
:/ 5	. 8							1									1	11	16	
4/ 3	. 4	. 4	i				l	}	1	}]					6	6	d -
1	• 1	. 4							 	 								. 4	6	1
/ -1	. 4	. 3	į				ļ		1				[1		- (1 9	5 5	4	i -
- 7/ -3	. 5	. 4						+		 		1						7	9	
-4/ -5	• •	. 1														1		1	}	
-6/ -7	.3					h		1	 	 			+					2 2	3	
-11 -9	. 1		1			ĺ	1	1	1	1			}		1	ł		1	1	1
/-11								 		 			+		-					
1./-13	. 3		- 1					1	1	}			!	ì		1		2 2	,	1
Element (X)		21'			2 1	٦-	¥-	-	17	No. Ol	. 1	<u> </u>			Mean No	. of Hours	with Temper			
Rei. Hum.					- A	-+-		 			 -	= 0 7	1.	32 F	= 67 1				F	Total
Dry Bulb						-+-		+	-+-				+÷		<u> </u>				- +-	
Wet Bulb						-+-		+	-+-				+-			 		-+		
Dew Point						-+-		 			 †		+		 	+		+	 -	
202 1 0101								<u>. </u>												

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIS WEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY 73-81 HOY YE ARS STATION STATION NAME 0300-0500 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point -1 /-15 1-/-19 /-21 2/-23 17.940.319.010.210.2 5.3 2.6 1.5 795 795 795 795 2x' 3885795 67.617.869 No. 06s. Element (X) *x 53737 Mean No. of Hours with Temperatu USAFETAC 10F Rel. Hum. 1 32 F 58 . 5 27.711.996 24.2 9.683 725003 795 22035 Dry Bulb 2.3 538675 19211 795 72.0 90 Wet Bulb 17.3 9.352 4.4 87.4 307091 795 70 13745 Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIM WEATHER SERVICE/MAC

72569" NATRONA CO/CASPER MY

PSYCHROMETRIC SUMMARY

NOV

STATION				57	TATION N	AME								YEARS					MO	HTH
																	PAGE	: 1	0600 HOURS (-080
Temp.						WET	BUL B	TEMPE	RATURI	DEPRE	SSION	(F)					TOTAL		TOTAL	
(F)	0 1	2	7 4	5 4									23 - 24 25 -	24 27 . 20	20 . 30	> 31	D.8./W.8.	Dev Bulb		Daw Pa
				-3.0	· · · ·	4.10		+	13.16	17 - 10	17.20	121.54	23 - 24 23 -	20 27 - 20	120		+	1		
4/ 53	-	- 1		i	,		. 1			1	[1 1	ĺ	1	1		1	-		i
2/ 51						• 3	• 5					} +			+		10	10		
5 / 40					• 1	, ,	• 4	ł.		1	1	1 1	i	,			7	7		İ
· / 47					1.0				 	Ļ							17	17		
4 / 45		,		. 1	-		• 6	1	L;		!	1 1	į	ì			21	22		1
4/ 43						1.5				1		1			1		32	32		
2/ 41			• 1	1.4	1.8	1.1	. 4	į.		1	}	1 1		}			38	38	4	j
4 / 30		• 1	. 5	1.8	1.8	.6					!	<u> </u>	<u> </u>		11		38	38	18	<u> </u>
31/ 37		• 1	1.3	1.6	1.3	. 4			-	:	1	1			1		37	37	30	
7 / 35		. 9	1.9	1.8	1.1	. 4						i 1	1	į.			4.8	48	45	ĺ
3-/ 33	• 1	$\widetilde{1.1}$	1.3	1.3	1.0			-		-	-	-					38	38	67	
2/ 31	. 5	1 . 8:	2.9	1.4	. 4				1	į.	:	1	1	(1		5.5	55	66	2
7 / 29			2.0					•	<u> </u>			++			1		46	46		
2 / 27	1.1			. 3		1				}	i	· .	{	ĺ	1 1		57	58		,
2:1 25			1.1	• 5		·			+		 -	 					50	50		
2-/ 23			1.0	• •				:	1	!	i	1	į		1		39	39		
2/ 21			1.6	• 1	·i				+	 -	 			+	 		49	49		
/ 19			_	• 1					1	1		1			1 1		1 1	• •		
1 / 17	.9		1.6		,	++			 			++			├		60 32	<u>61</u> 32		
- 1								ł	İ	1	l [1 1	i	1	1 1		1		1	1
11/ 15	- 9		. 3	~~~		 +			↓	 					 		24	24		
14/ 13	.6		. 4			} .			1	1	!	} !	1	ļ			18	18		
1 / 11		. 8	- 1			<u> </u>			 		i						16	16		
1 / 9	- 8		. 3	,		- 1		1			ļ	! !	İ	1	} }		17	17		
1 7	. 8							L		<u> </u>	L				1		16	16		
·/ 5	. 4	. 3		1		1		}	}	1)]	Ì	1			5	5	13	1
./ 3	. 4	.1				<u> </u>		<u> </u>	L	1		1			1		4	4	5	
/ 1	. 3	. 4			, ,				1								5	5	3	
/ -1	- 5	- 1	1					(1	ĺ	1 1		_	l l		4	4	6	Ĺ
- / -3		. 4	-							1							3	3	2	
/ -5	. 1	1	į	1	, !	i		1			Í		-	- 1	1		1	1	2	
/ -7	.1								1	1		1			1		1	1	1	
- / -9	. 1	. 1	1	ĺ		(I	1	{	1	{	ĺ	1	}	1	1 1		2	2	1	
/-11						 			-	 		 			1		1	1	2	
1 /-13	77		i	}	, ;	1	1	1	1	}	{		!				-	•		
Element (X)	٤,	, -			2 <u>x</u>		Ĭ	•,	\leftarrow	No. OL	5.	-		Meen	No. of Ho	urs wif	h Temperet	ure		
Rei. Hum.						-+-			-			1 0 F	2 32			73 F	- 80 F	+ 93 (F	Tetal
Dry Bulb													+	+			 	+		
Hot Bulb			+										+				 	+		
Dow Point			+			-+			-+-				-+				 	+	-+	
70 m F 91977			•																	

O. 0.26-5 (OL.A)

GLOBAL CLINATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATR WEATHER SERVICE/MAC 775690 NATRONA CO/CASPER MY
STATION NAME 73-81 NOV 0600-0800 HOURS (L. S. T.) TOTAL
TOTAL
O.S./W.S. Dry Sulb Wet Sulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) -1:/-15 1 1 1-17 -1 /-19 2/-23 1) 11.737.718.711.610.6 5.9 3.0 .8 TOTAL 793 796 793 () § 1) } Œ٠ 7 67.117.840 28.011.634 24.4 9.335 17.4 9.082 Element (X) 2x 53213 No. 0bs. 793 3822837 Ret. Hum. = 0 F 733466 796 22320 1.5 57.4 Dry Bulb 542335 19373 71.4 90 1.7 Wet Bulb 306495 13829 90 793 89.2 4.3 Dew Point

NATRONA CO/CASPER NY 73-81 NOV 0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.8./W.B. Dry Bulb | Wer Bulb | Dew Point 6 / 67 4/ 63 . 3 6.7 61 • 1 1 59 . 3 - / 57 . 6 13 • 6 5' / 55 1.0 1.9 4/ 53 .4 1.0 23 23 2/ 51 . 8 30 30 5 / 49 .4 1.1 . 8 24 24 . 1 • 6 6 / 47 .8 1.8 2.0 38 38 . 8 4 / 45 .5 1.4 4/ 43 .6 2.4 1.1 41 41 2/ 41 1.9 1.4 1.6 • 3 41 41 48 .8 1.6 1.0 1.8 2.7 1.4 1 30 45 3' / 37 • 5 50 50 35 / <u>35</u> 2.2 1.1 1.4 71 3: / 33 1.3 1.1 2.0 38 38 64 2/ 31 4 1.4 3.4 1.8 58 58 .1 1.0 2.7 1.3 7 / 29 40 56 53 2.9 2.5 1.0 . / 27 58 58 ~ / 25 .1 1.1 2.5 30 30 66 79 1 23 .3 2.5 1.6 35 35 48 59 2/ 21 2.3 . 8 47 24 24 60 / 19 2.7 29 34 29 91 / 17 • 5 2.7 . 3 22 22 29 77 . 8 14 14 70 . 3 12 1 -/ 13 . 1 1.1 12 12 57

10F

1 32 F

PSYCHROMETRIC SUMMARY

10

67 F = 73 F = 80 F = 93 F

10

2

13

3

Total

34

34

10

10

0-26-5 (OL A) amusto menx

1 / 11

Element (X)

Rel. Hum.

Dry Bulb Wer Bulb Daw Point

7

1

. 3

- 5

()

()

()

()

GLOBAL CLIMATOLOGY BRANCH

AIR WEATHER SERVICE/MAC

USAFETAC

USAFETAC PO

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 72569 STATION NATRONA CO/CASPER #Y NOV 0900-1100 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point - / -3 • 1 1 - / **-**5 -./ -9 /-11 /-13 -1 /-15 · /<u>-17</u> TOTAL 7.022.121.914.810.310.4 8.2 5.6 2.7 .9 .1 789 789 789 õ 12 No. Obs. 789 Mean No. of Hours with Temperature Element (X) X 4 56.518.215 2783236 44606 Rel. Hum. ± 32 F 39 ⋅ 5 = 67 F = 73 F = 80 F 5 0 F ≥ 93 F Tetal 1394740 27608 35.012.780 789 90 Dry Bulb Wet Bulb 734337 22927 29.1 9.297 789 54.6 90 355466 15376 19.5 8.416 2.6 88.7 90 Dow Point

SUCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AI: «FATHER SERVICE/MAC NATRONA CO/CASPER WY 73-81 NOV 1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 2 / 69 • 3 2 / 67 10 6/ 65 . 4 10 . 4 10 . 8 4/ 63 1.1 1.4 1 61 .1 1.1 1.9 29 29 .5 1.5 20 20 / 57 1.9 1.3 1.0 34 34 5 / 55 4/ 53 .9 2.0 1.3 37 37. .3 1.6 . 9 31 31 . 8 5 / 45 .4 1.5 1.1 24 24 / 47 2.4 2.0 • 8 48 48 4 / 45 .8 1.1 1.1 • 9: 36 36 33 4/ 43 .1 1.6 . 8 • 5 57, 26 26 2/ 41 .1 1.6 2.2 1.1 . 9 51 47 47 4 / 39 .8 1.4 1.5 1.6 46 46 3./ 37 .1 1.1 1.1 .8 1.1 34 61 2 ' / 35 3 / 33 .5 .6 1.3 .1 1.3 1.0 2.2 .6 1.3 1.3 30 30 66 9 41 41 66 2/ 31 / 29 .4 2.2 2.5 43 43 48 50 .5 1.9 1.8 34 57 34 2.2 2.2 1 27 41 41 58 ' / 25 1.6 1.5 25 25 24/ 23 ____5 1.1 13 13 46 64 2/ 21 1.9 . 9 25 85 24 24 / 19 2.0 1.1 28 28 25 91 / 17 . 3 74 . 4 5 5 17 . 4 / 15 65 14/ 13 . 6 • 1, 54 49 / 11 . 3

24

17 5 8

2

= 67 F = 73 F = 80 F = 93 F

± 32 F

4 0 F

PRIVIOUS EDITIONS OF THIS FORM. ₹ 0-26-5 (OL

Rel. Hum.

Dry Bulb

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 725697 NATRONA CO/CASPER MY 73-81 NOV 1200-1400 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulh Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 / -3 -4/ -5 - / -7 /-11 <u>.614.714.814.310.1</u> 9.5 8.6 9.5 8.0 6.5 2.5 .8 790 TOTAL 790 790 õ 37444 37444 2g' 2067182 Mean No. of Hours with Temperature Element (X) 47.419.252 790 ± 67 F = 73 F = 80 F = 93 F Rel. Hum. 20 F s 32 F 41.013.971 32.5 9.216 90 1481797 32379 790 27.1 1.4 Dry Bulb 900474 25660 41.9 790 90 Wet Bulb 365196 15846 20.1 7.747 88.4 90 Dow Point

GLCBAL CLIMATOLOGY BRANCH USAFETAC ATR REATHER SERVICE/MAC

NATRONA CO/CASPER WY

7.2569 TATION

PSYCHROMETRIC SUMMARY

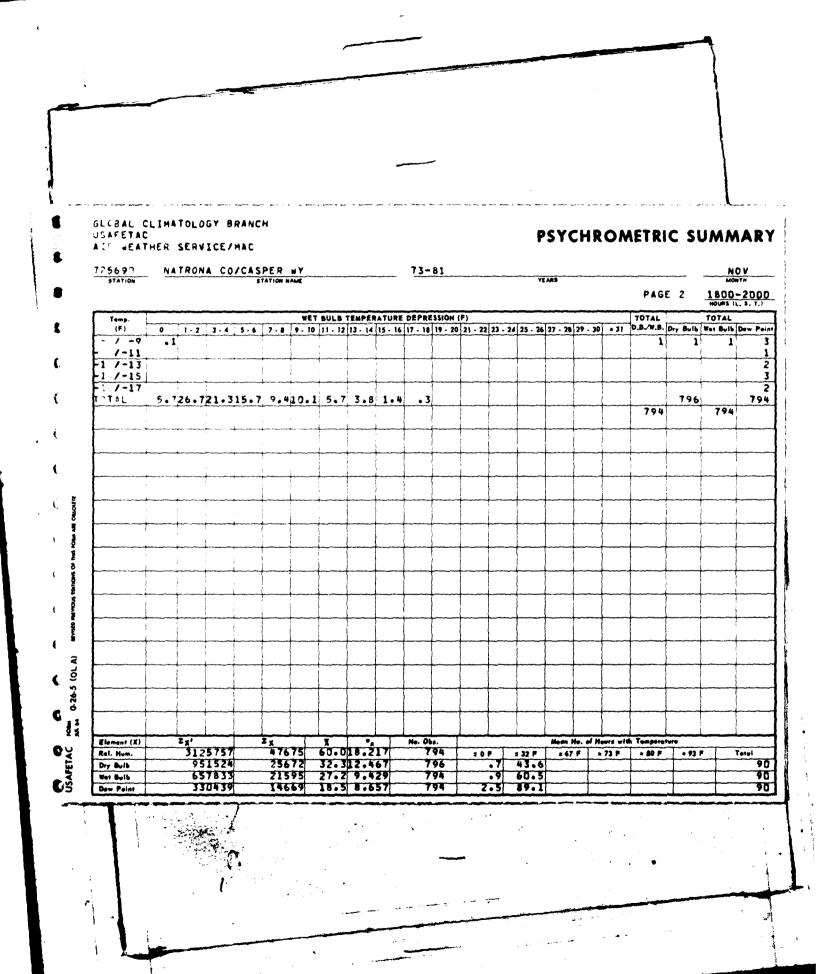
																				PAG	£ 1	1500 HOURS	<u>) - 1 7 (</u> (L. 5. Y
Temp.							BULB													TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 10	19 - 2	20 2	1 - 22	23 - 2	24 25	- 26	27 - 20	29 - 1	0 - 31	0.8.W.S.	Dry Bulb	Wet Bul	Dow P
/ 69						1			!	1	Ï		• 1	ĺ	i	- 1			1	1	1	.	1
6 / 67												3	. 5						<u> </u>	8	8	L	
6/ 65							i	ı	:	. 4	۱ e	9	. 4	ĺ		- 1			-	13	13	i l	1
4/ 63						· 	.		5			9	•1	L		_				19			
2/ 51		:				i		• 1	1			3						ĺ	1	20			1
/ 59					<i>-</i>	i	i	. 8				1		<u></u>						28			.
/ 57		,					!	• 9		1	- 1	İ								22			
5:1 55					<u>. </u>	-	4					_		L	<u> </u>	_		L	<u> </u>	27	21		 -
4/ 53			:	!			1.3		1.3	• 1	L	1				1			ļ	31			1
2/ 51					. 1		1.1				·	4			_i_	_		L		23	23		
5 / 49					į		1.8			\$		Ì				ĺ				36			3
4 / 47						1.0		1.1		}	↓	<u> </u>							<u> </u>	34			
4 / 45			•	. 4				1	1	1	İ				- 1	- 1			1	31			
14/ 43		+		1.3		1.7				-	-	1			-	_			—	38	39		
2/ 41				1.4					ł				1		-				1	40			
4 / 37						1.0				ļ	1	4		<u> </u>		_				50			
3 / 37		• 3					1				1				i					36		1	- 1
* / 35	+	. 9			1.1						<u> </u>	_							<u> </u>	36	36		
3-/ 33			1.3													-				35	,		
2/ 31			2.3			.1		Ĺ <u>.</u>	<u> </u>	L	<u> </u>					_		: 	J	42			
7 / 29	• 1			1.9			l		ļ	-					- 1				Ì	41			
? / 27			1.4						<u> </u>	<u> </u>	<u> </u>									28	28		
CC 25		1.9								1						İ				33	33	6	• •
24/ 23		1.0					İ		L		L	_				\rightarrow				18	19		
2/ 21		2.0			ì		ļ			1		İ								27	27	1 -	
/ 19	• 1		1.0		i ↓		L	Ĺ	L	<u> </u>	ļ	1				_				18	16		
1./ 17	- ,	1.3				j .	,				1	- 1	ļ		ĺ	1				15	15		
1 15	• 3	. 5							L	L	L	\perp								8		1	5
'-/ 13	i	. 4	. 1		İ		t S	}	}			-			!	İ				4	•	4	1
1 / 11		. 9							1		<u> </u>	_							1	7	7		<u> </u>
1 9	1	• 6			ļ		ļ	ļ	ļ	1		-	ļ		ļ					5	5	1	
-/ 7	• 1	. 4	- 1						<u> </u>	ļ	L								1	5	5		<u> </u>
1/ 5	:	. 1			}		J)	}			1	ļ		1]	1	1	.] :	
1 3	i	. 3					L												1	2	2		
Element (X)		z _{z'}			ZX		X	•,	$\Box \Box$	No. O	ba.	Ι					Mean h	lo. of	Hours wi	th Tompere	lure		
Rel. Hum.								ļ					£ 0 1	F	1 32	F	× 67	8	= 73 F	- 80 F	· 93	F	Tetal
Dry Buib												\perp						\Box		1			
Wet Bulb														$-\Gamma$									3
Dew Paint												T		T									. 9

1 64 0-26-5 (OLA) service merce

SAFETAC rom

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 72<u>5</u>691 NATRONA CO/CASPER WY 73-81 NOV 1500-1700 HOURS (L. S. Y.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 23 | D.B.-W.B. Dry Bulb Wer Bulb Daw Point / 1 / -1 • 5 - / -3 .1 -/ -5 -:/ -7 -./ -9 /-11 -1-/-15 1.715.615.515.4 9.1 8.5 9.8 8.4 6.6 5.8 2.4 1.1 TOTAL 787 787 787 ğ 38309 No. 06s. Element (X) 48.720.093 Mean No. of Hours with Temperature 2182115 # 67 F = 73 F → 80 F Rel. Hum. 2 32 F 39.614.223 31.5 9.464 19.3 7.990 1397130 31250 789 29.7 1.0 90 Dry Bulb 2.2 851274 24790 787 43.9 90 Wet Bulb 90 343136 89.1 Dew Paint

GLUEAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIF WEATHER SERVICE/MAC C 72569 NATRONA CO/CASPER WY NOV 73-81 U 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 - 6 | 7 - 8 | 9 . 10 | 21 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 6 31 | 0.8./W.B. Dry Bulb Wet Bulb Daw Point . 1 / 59 1 57 5 / 55 2/ 51 . 6 1.0 22 22 5 / 49 .5 1.4 , 8 23 1 / 47 .8 1.6 1.4 33 33 . 4 4 / 45 •1 •1 •5 2•3 1•3 1•1 1•8 1•1 •6 •5 2.1 1.5 2.0 •9 2.3 1.4 •9 .2/ 41 50 50 4 / 39 3 / 37 47 47 38 1.1 1.8 1.4 37 .8 2.9 1.5 7 / 35 . 4 45 46 68 3. / 33 1.0 2.8 2.1 53 53 69 2/ 31 58 58 83 1.8 1.9 32 60 36 .1 2.3 2.9 2.1 27 58 49 49 61 1 25 42 42 2.6 2.1 63 66 2 / 23 1.4 • 8 19 19 48 50 2/ 21 ·B 3 · 3 . 9 42 42 43 61 19 3.1 35 35 45 / 17 27 80 2.1 22 31 1 / 15 . 5 1.5 16 17 69 1-/ 13 1.6 18 18 45 . 8 1 / 8 11 37 11 8 . 5 Q 49 7 1.1 12 ã 11 • 1 3 4 8 14 26 0.26.5 .3 -1 5 / -3 -5 -1/ -7 Element (X) 10 F Rel. Hum. ≤ 32 F Dry Buib



GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATE WEATHER SERVICE/MAC NOV 72569 NATRONA CO/CASPER WY 73-81 PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 Wet Bulb Dew Poin 5 / 55 • 3 4/ 53 • 5 € . 4 . 1 13 13 2/ 51 . 6 1 49 . 6 . 8 . 6 4 / 47 .9 1.4 25 25 1.0 4: / 45 23 23 -4/ 43 35 .3 1.1 1.1 1.6 35 92/_41 .6 2.0 1.8 1.9 53 53 .4 1.9 2.0 4 / 39 . 4 3 / 37 1.4 1.9 • 8 . 5 36 36 45 3 / 35 .4 1.3 1.5 1.4 39 39 61 33 1.4 2.7 1.1 46 46 3.3 3.7 2.4 76 . 5 36 2/ 31 78 78 / 29 2.4 2.0 68 27 49 .1 3.2 2.7 . 1 .1 2.4 1.1 70 / 25 31 55 .1. 1.9 1.3 2-/ 23 28 38 50 1.0 2.9 1.6 46 41 82 46 1.0 48 48 95 19 4.3 48 70 / 17 23 44 .6 1.6 1.3 1.5 22 20 73 1./ 15 .9 1.6 22 48 14/ 13 24 . 8 17 43 1 / 11 . 6 6 . 1 1.0 29 8 8 • 1 •1 3 5 18 ತ 7 0.26-5 4 -5 -1/ -7 --/ -9 2 Mean No. of Hours with Temperatur Element (X) Rel. Hum. 2 0 F 1 32 F ≥ 67 F = 73 F Dry Bull Wet Bulb Day Point

GLUBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 725693 NATRONA CO/CASPER WY 73-81 NOV 2100~2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wer Bulb Dem Peint Temp. -1./-13 -14/-15 -14/-17 -1:/-19 /-21 1 17.730.227.713.4 9.5 7.7 4.9 1.6 1.1 TAL 791 791 791 791 õ 0-26-5 50594 50594 3504 386 No. Obs. 791 Mean No. of Hours with Temperatu Element (X) 64.018.428 ±67 F = 73 F = 90 F = 93 F s 32 F Rel. Hum. 10 F 30.012.476 25.7 9.711 17.9 9.031 835739 597787 23733 791 51.4 90 1.7 Dry Bulb 791 90 20345 1.9 66.4 Wet Bulb 89.5 Dow Point 319134 14194 791 3.9 90

GLEBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC ATP WEATHER SERVICE/HAC 72569 1 STATION NATRONA CO/CASPER MY PAGE 1 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.B./W.B. Dry Bulb | Wer Bulb | Dew Pein 3 • 3 3 / 69 / 67 6/ 65 . 1 . 2 • 1 .0 46 46 4/ 63 2/ 61 • 3 . 4 . 1 52 52 60 60 . / 57 .0 • 3 72 72 / 55 . 3 .8 99 99 4/ 53 .6 • 5 116 116 . 6 135 2/ 51 135 40 162 162 4-1 47 236 236 78 4: / 45 218 1.1 217 44/ 43 . 1 275 276 128 -2/ 41 350 195 .3 1.8 1.6 350 • 0 . 4 325 / 39 .6 1.8 272 37 .1 1.3 1.7 1.1 294 294 383 34 35 1.6 1.4 318 319 469 . 6 . 0 3: / 33 1.1 1.6 1.7 335 335 533 45 31 1.8 2.9 447 447 506 291 29 2.1 2.2 358 358 2-/ 27 393 394 482 .3 3.1 2.2 532 25 2.5 1.7 292 292 541 470 .3 2.2 1.1 24/ 23 234 401 295 2.9 295 599 2/ 21 - 1 318 / 19 3.7 329 330 327 793 169 570 11/ 17 1.9 169 286 141 142 13 117 117 132 438 ತ 88 88 106 372 0.26.5 9 299 66 66 101 69 69 58 186 42 5 65 72 Element (X) +67 F = 73 F - 80 F ≥ 93 F Total 2 0 F 1 32 F Rel. Hum. Dry Bulb Wet Bulb Daw Paint

GLC3AL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR JEATHER SERVICE/HAC 72569 NATRONA CO/CASPER WY 73-81 NOV PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 Wet Bulb Dew Poin • 5 50 50 48 110 33 33 38 37 - / -3 18 18 23 36 .1 10 31 / -7 •1 • 0 5 5 8 27 / -9 /-11 2 2 19 -1 /-13 -14/-15 10 1-17 11 1-19 /-21 8 2/-23 TAL 5.728.118.913.3 9.9 8.0 5.8 4.1 2.5 1.7 .6 6334 6334 6334 3 ತ 0.26.5 No. 06s. Mean No. of Hours with Temperature = 67 F = 73 F 2 • 5 # 0 F # 32 F 8 • 9 363 • 5 10 • 3 479 • 8 25088206 59.720.009 Rel. Num 32.813.650 27.4 9.951 7995297 277865 6341 720 Dry Bulb 5389257 173676 6334 Wet Bulb 720 2638842 18.4 8.755 25.5 712.7 116790 6334 720

GLUBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATE WEATHER SERVICE/MAC 775697 NATRONA CO/CASPER MY 0£C Ð PAGE 1 0000-0200 HOURS (L. S. T.) TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Pein **(**) (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 5 / 49 • 5 • 1 / 47 4 / 45 • 6 8 2.1 4/ 43 1.0 .2 1.8 1.7 1.5 2/ 41 44 44 / 39 .7, 1.8, 1.1 35 3:/ 37 .4 1.3 1.1 .7 30 30 27 .9 1.7 7:/ 35 .4 1.8 43 43 38 1) .4 1.1 2.0 3 / 3 **3** 30 30 49 2/ 31 1.2 1.8 3.1 47 54 51 .5 1.0 3.3 1.3 50 50 30 3 / 29 .4 1.6 2.5 2.1 62 77 1 27 53 28 34 201 25 .4 2.5 2.5 46 46 2-/ 23 53 37 1.6 1.5 2/ 21 .9 3.2 2.1 . 1 51 51 66 49 1.2 5.3 1.7 / 19 49 79 67 67 1.3 3.7 / 17 60 68 • 6 46 46 1./ 15 2.8 40 40 57 76 1-/ 13 1.2 3.4 37 . 6 43 43 76 12/ 11 .9 1.8 22 22 34 88 . 4 .7 24 54 . 5 10 45 15 19 5 . 7 14 14 . 2 8 21 **1** j 11 11 10 32 1.7 19 -3 . 5 5 3 -./ -7 2 - 1 - 1 3 ತ . 6 . Z /-11 2 -1./-13 -1-/-15 14/-17 ZX No. Obs. Element (X) Mean No. of Hours with Temperature Dry Sulb Wet Bulb

GLOBAL CLIMATOLOGY BRANCH JSAFETAC PSYCHROMETRIC SUMMAR AIF WEATHER SERVICE/MAC -- DEC 725690 NATRONA CO/CASPER WY 73-81 VE ARE STATION NAME 3000-0200 HOURS IL. S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb /-19 3 3 3 1-21 • 6 3 2/-23 • 1 2-1-27 1-29 1-31 3 /-35 TAL 15.432.621.413.6 9.9 6.0 .9 816 816 816 ತ 53888 735 3788122 No. Obs. 816 Element (X) X *** 66.016.777 Mean No. of Hours with Temperature 0 F ± 32 F Rel. Hum. 10F # 67 F # 73 F # 80 F * 93 F 24.712.944 Dry Bulb 632889 20125 816 4.3 465666 17372 816 79.4 93 Wet Bulb 248891 Dow Point 11415 14.010.462 816 7.0 93

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATR JEATHER SERVICE/MAC 725690 NATRONA CO/CASPER MY
STATION HAME 73-81 DEC PAGE 1 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 5 / 47 2 47 47 4./ 45 :4/ 43 1.0 18 .2/ 41 .1 1.7 . 9 28 28 / 39 .6 1.0 39 39 3-/ 37 32 .6 1.1 1.2 1.0 32 17 36/ 35 34/ 33 .5 ?.1 1.2 1.6 48 48 .2 1.4 1.6 1.7 45 45 .1 1.7 1.7 1.7 .7 1.0 3.4 2.1 "2/ 31 52 16 35 56 1 / 29 59 59 67 ? - <u>/ 27</u> .2 2.0 2.5 1.4 49 49 40 . 9 ·/ 25 .1 2.2 2.0 42 42 74 32 24/ 23 1.6 1.7 28 28 56 2/ 21 .5 2.9 2.1 45 45 55 45 .6 5.8 1.6 65 86 65 / 17 1.0 3.7 43 43 66 52 15 1.4 2.5 36 37 13 2.0 2.3 72 41 38 42 1 / 11 1.4 2.5 89 31 9 .5 1.1 13 31 69 <u>45</u> 5 . 6 8 8 10 26 <u>24</u> 22 1.8 . 2 . 4 1 -3 10 -:/ -7 3 1 , ਤੁ /-11 5 /-13 -1./-17 3 No. Obs. Element (X) I ** Mean No. of Hours with Temperature Dry Bulb Wet Builb

SUCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATR REATHER SERVICE/MAC 7.7569° NATRONA COJEASPER MY DEC 73-81 0300-0500 HOURS (L. S. T.) PAGE 2 TOTAL TOTAL
D.B./W.B. Dry Bulb Wet Bulb Dew Poin WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) 1-21 2 2/-23 -21/-25 3 1-27 1-29 2 /-31 -3 /-35 -3 /-37 -3 /-39 1 15.634.522.013.8 7.9 5.7 814 814 ₹ ĝ 0.26-5 54620 Element (X) No. Obs. Mean No. of Hours with Temperature X *x 67.116.542 3887522 814 Rel. Hum. ± 32 ₱ + 93 F 5 0 F 603879 19563 24.012.864 816 4.2 67.2 93 Dry Bulb 20.810.943 13.810.618 82.3 450091 16945 4.5 814 814 245760 92.9 93 Dow Paint 11200

GLOBAL CLIMATOLOGY BRANCH JEAFETAC AIR MEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

7.569 NATRONA CO/CASPER WY 73-81

STATION STATION NAME

PAGE 1 0600-0800
NOWIS (IL. S. T.)

								0.000							7.07		7074	
Temp.				WET	BULB	TEMPER	ATURE	DEPRE	ZZION (F1					TOTAL	1 ====	TOTAL	1= -
(F)	0 1 2 3	4 5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 2	25 - 26	27 - 28 2	9 - 30 = 31	V.B./ 4.6	Dry Bulb	Wet Bulb	Dew Po
2/ 51				!	. • 3		•			1	1	i	!		1 2	2		i
5 / 45					• 1	. 4									15	5.		·
E / 47			. 4	• 1					1		:			1	1 4	<u>(</u>		
41/ 45			4 . 4	. 4	1			i :					1		1.	10		
4/ 43				. 4	. 1						1		- 1	- i	4	i 4		
12/ 41		.1 1.	8. 1.2	7				1			į	i		1 -	32	32		
4 / 39	1	.5 .	7 1.2	• 5	!]						32	32	10	
3-1 37			9 .4	. 7	• 1							ì		1	22	22	12	i
7 35		.3 2.	3 2.1	• 1		*	•								49	49	30	į.
3. / 33	.6 1	.6 1	8 1.5	:	į.						1	- 1	1		4.5	45	34	÷
2/ 31		2.7 3.				1	:								66	66	35	1
3 / 2+	.5 1.6 2					i	:)	į	- 1	1	i	, 50		62	
2 / 27	.2 2.1 1					T	<u> </u>	-							47			
/ 25		9 .			:			1 ;			į	- 1	i		4 9	45	8.3	
2"/ 23	.1 1.3 2					-	 					-			30		\$ 7	
2/ 21	.6 3.4 2		!				į	ĺ	į		;	Ì	1	İ	52		41	
/ 19			+		:	 -	 	 -							70	7	71	
1 / 17	2.3 3.2 1				İ	ł.	l		ļ	1	1	1	1	ŀ	53		8.5	
1 / 15	1.2 3.6	.7	+		ļ	 									46		42	
1 / 13	1.9 2.2	• 6;		:		1	l I	i i	i		- 1	}	!	}	39	1	46	
1/11	.6 1.5	•3	+		 	 		1			+	+	+-		19	+	29	
1 / 3.	.2 .9	.2	1	3	!	į]		į	1	ļ	Í	ĺ	i	1	1	18	
7 7	.7 1.2	• •	+			 	 			+					16		18	
/ 5	.6 .4		1	ļ.	í	1	į.) ;	1			}	1	}	1 6	1	13	
1 3	.6 .7		+							+					11	+		
- 7	1.3 4					į	İ	1	1	į	1		- 1		14		14	
1 -1	1.7 .1		-			 	 									9		
	- 1				: 1	ì	ł		į	1	Į.	- 1	[1 3	7	7	. 1
- / -3 - / -5	.5 .4	+	+			 	 	├							+	3		·
;	4	1		i I	1	Ì	į.	1			;	}		}	1	1		
/ -7	• 7		+			 	 	 		+	+							
- / -9			i				1	} j	-		1	1	1	{	1	-		
/-11	•1		+		 -	 	 									4		+
1 /-13		:	1			1			1	1	į		ĺ	}	١.	3	-	
1./-15	. 4		<u> </u>		ـــــا		Щ.	ليحيا							فحجيا			ــــــــــــــــــــــــــــــــــــــ
Element (X)	I,		ZX		T	· **		No. Ob	•					. of Hours w				
Rel. Hum.						}				± 0 €		32 F	≥ 67 F	≥ 73 F	- 80 F	× 93 1		Total
Dry Buib																		
Wat Bulb														1	4			
Dew Paint				T		1	$\Box\Box$		T		I						L_	

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

725693 STATION NATRONA CO/CASPER MY DEC 73-81 PAGE 2 0600-0800

																,		HOURS	
Temp.								DEPRES							,	TOTAL		TOTAL	
(F)		3 - 4 5 - 6	6 7 - 8	9 - 10	11 - 12	2 13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wet Buib	Dew
1-17	• 2		- [T			1	į	1			- [2	2	2	
' /-19	. 4	1	- 1			ĺ	1	1 :	- 1	[[1		ļ		1	3	3	3	
/-21	•1				•			1							<u> </u>	1	1	1	
2/-23			1 ,			į		1 1					Ì		1	<i>-</i>	-		
7: /-25						 -	+			·					1				
2 /-27	• 1					'		1 :	1	1		'	-		1	1	1	1	
1-29					 		+	 +							 	2	2	·	
3 /-37	• •	1			,	1		i (j				1	•	_	•	
7./-39						<u>+</u>	+									+		•	
	15 023	124.314.	2 0 2	7 0		ه آد		1 1					İ		1	7	823		8
CIAL	13.433.	154.214.	2 002	3.0	• ?	•••					+	<u> </u>			+	0.22			
			1		i			1 1			i	. !	1		1	822	i	822	
			 +		 		· 	i - i							 	 		· 	
!			,		:	5		1 1	!		1		1		1	1		:	
					·							ļi			 				
			- 1			1	Í	į (i			1	t r		
		· -+						4								 		+	
,		1			:	1	1	1 1		į į	i		i		i	1	1		
			1			1		1							<u> </u>	<u> </u>			
	-		1 7			}	1						1		į	1	İ	i	
			_Li		i	.i	1	11		L i		l .				<u> </u>	Ĺ	<u> </u>	
					1						1							1	
		1	1		i.	L	1			<u> </u>	i	<u> </u>	:		<u> </u>	1	1	1	
			1				1						i				ì	,	
		1			!	i	1	1 1							l			i	
						1	1	1								1		1	
:	1		1 1		1	i	1	1					į		j	1	ί	1	
					1	1	1	1							1		,		
İ	1	i	- 1		ļ	[1 1	(1	<u> </u>	į				į	İ	
		+	++		!	+	 	1		 					1	1			
	i		1 1		i	1	}	1 1	ļ		1		l		i	1	i		
		+	-+		 	+	 	1 1		 +					 	 	 	 	
		1	ί			1	1	}	ļ		1		}		1			1	
			-++		 	+	+	+		 		 -			 -	 	 	 	
							i				1				}	1			
F1	2 1'		- -			-		No. Ob					Man M	a at 14	anna mia	h Tempera	ture.		
Element (X)		43701	2 x 553	50	X 67.1	316.	72	No. 061							73 F	- 80 F	• 93		Total
Rel Hum.		88863	1948	7	27.4	512.6	40	82		± 0 F		32 F	* 67	- '	- /3 F	- 80 P	+ 73		
Dry Bulls		39691	168			510		8		4		83.3				 			
Wer Bulb		39562	111			510.4			22	- 7 .		92.7				↓			
Bo- Point	2	37304	111.	40		3 I I I A 5	• • I I	×.			V 1	4 / 4 / 1		- 1		l .	i	- 1	

SLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIF MEATHER SERVICE/MAC 7.569 NATRONA CO/CASPER MY
STATION STATION NAME DEC 73-81 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.8./W.B. Dry Bulb Wet Bulb Dew Point / 59 / 57 / 55 • 1 4/ 53 2/ 51 A / 47 .7 1.0 . 6 / 45 4/ 43 .7 1.2 1.3 1.1 36 2.1 2/ 41 40 .9 1.5 40 4 / 3c .2 1.5 2.0 2.1 48 48 17 .6 2.8 1.6 47 47 36 1.6 1.7 2.2 / 35 48 48 33 1.5 2.2 1.3 3 / 33 40 40 31 1.8 2.4 1.0 49 76 18 21 • 1 5 3 .5 2.8 2.2 60 .6 2.2 3.5 1.3 . / 27 63 63 66 41 2.3 2.9 / 25 50 76 2 / 23 39 39 75 41 .1 2.1 2.6 2/ 21 .2 4.0 1.8 52 67 19 4.4 2.1 58 76 • 6 / 17 46 80 2.) 1./ 15 18 18 36 87 22 13 94 22 1 / 11 18 67 . 9 38 14 . 9 11 31 • 5 15 26 13 3 13 12 - 6 ತ 22 18 • 2 • 4 3 / -1 . / -7 Mean No. of Hours with Temperature Element (X) Rel. Hum. Dry Bulb Wet Bulb Dew Point

SLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 705690 NATRONA CO/CASPER WY 73-81 DEC STATION PAGE 2 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp. (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 / -9 •2 •1 3 1 /-11 • 5 3 1 /-13 • 1 2 1 -/-15 1:/-17 .1 1 1 1 5 1-/-19 /-21 2/-23 • 1 1/-25 /-31 8.125.923.318.111.7 8.9 2.9 • 6 820 819 819 ₹ õ 0.26-5 Mean No. of Hours with Temperature 9794 3253784 60.816.636 819 Rel. Hum. 1 32 F 57 • U ±67 F = 73 F = 80 F = 93 F 20F Tetal 785993 23185 28.312.621 820 Dry Bulb 23.910.177 15.4 9.681 19589 2.8 553263 819 76.0 93 Wet Bulb 12588 270140 819 5.9 92.4 93 Dew Point

ATE WEATHER SERVICE/MAC NATRONA CO/CASPER WY DEC 73-81 PAGE 1 1200-1400 WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Pain :/ 51 • 1 / 59 / 57 • 2 • 1 6 / 55 . 8 . 8 4/ 53 .4 1.2 . 4 16 16 .5 .8 1.0 .2 1.7 1.2 1.2 2/ 51 19 19 36 . 6 / 47 26 26 .1 1.5 1.9 1.3 4 / 45 42 42 4/ 43 1.1 2.2 1.2 2.2 .6 1.9 . 9 34 40 2/ 41 40 / 39 .1 1.5 2.4 1.1 43 43 39 37 .6 1.6 1.2 1.7 42 42 51 48 58 74 / 35 1.2 1.5 1.9 48 11 3 / 33 .5 2.2 1.2 1.1 4 3 43 .6 2.7 3.9 1.1 70 67 26 79 .7 3.4 2.9 60 60 51 43 1 1.9 27 2.9 1.9 56 56 77 47 25 .1 1.8 1.5 1.1 38 38 102 50 24/ 23 1.5 . 6 21 21 67 59 29 39 2/ 21 . 8 29 / 19 .1 1.6 25 25 107 -/ 17 • 5 18 18 23 86 .1 1.6 1.7 21 27 87

No. Obs.

0 F

± 32 F

PSYCHROMETRIC SUMMARY

6

5

= 80 F

≥ 93 F

Mean No. of Hours with Temperature

= 73 F

≥ 67 F

49

34

12

10

0-26-5 (OL A) HWHE

13

5

Element (X)

Rel. Hum.

Dry Buib Wat Buib . 7

. 8

. 6

. 8

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

SAFETAC 1000

GLCBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATE WEATHER SERVICE/MAC NATRONA CO/CASPER WY 725697 DEC 73-81 STATION 1200-1400 HOURS (L. S. T.) PAGE 2 Temp. WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B./W.S. Dry Bulb Wet Bulb Dew Point - / -7 5 - / -9 /-11 -1-/-15 /-19 2.120.317.419.114.911.1 8.2 5.0 1.3 .5 826 826 826 ತ 2621076 No. Obs. Element (X) 2 x 4 4 3 5 0 Mean No. of Hours with Temperature 826 1 0 F 5 32 F 1 • 5 43 • 9 Rai. Hum. *47 F = 73 F = 80 F = 93 F 27671 1056591 33.512.631 826 93 Dry Bulb 699395 22693 27.5 9.594 2.3 62.4 826 93 Wet Bulb 309367 14067 17.0 9.198 3.9 91.8 93 Dow Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC NATRONA CO/CASPER WY 73 - 81PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point / 59 • 1 5. / 55 . 2 4/ 53 - 6 2/ 51 • 6 14 14 1.0 4:/ 47 .7 1.1 1.1 27 27 1.5 1.6 4 / 45 47 47 4/ 43 .6, 1.8 2.1 1.5 49 49 .2 1.2 1.7 12/ 41 39 .6 1.J 40 4 / 39 .5 2.0 1.1 1.5 42 42 36 .7 1.2 2.0 1.5 45 45 .9 1.7 36 / 35 .7 1.3 58 36 3 -/ 33 12 21 . 4 1.2 2.5 1.1 • 2 44 44 70 .9 3.9 4.4 . 9 83 2/ 31. 49 83 • 1. 7 / 29 .1 1.0 3.3 2.2 57 57 30 2 / 27 .4 1.5 2.2 2.6 54 96 41 1.1 1.7 28 28 84 61 2.1 23 1.0 .7 19 19 51 44 2/ 21 1 . 5 1.5 30 30 50 39 / 19 3.0 2.0 92 47 47 45 .1 1.5 1-/ 17 15 14 14 72 14/ 13 1.5 60 1.7 1:/ 11 15 15 18 57 . 2 46 42 . 5 4 5 14 3 • 1 34 3 - 1

50F

1 32 F

= 73 F = 80 F

≥ 93 F

26-5 (OLA) sevise nevious spinows or this now are oasous

AFETAC 1084

Element (X)

Rel. Hum.

Dry Bulb Wat Bulb Daw Paint . 2

NATRONA CO/CASPER WY 72569" 73-81 DEC 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./M.B. | Dry Bulb | Wet Bulb | Dew Point . 1 /-11 /-13 1 1 ./-15 -1//-17 :/-19 7-21 - 2/-23 -2:/-25 4.419.520.320.612.711.2 6.8 3.7 .6 812 811 811 811

No. Obs.

811

812

811

811

5 0 F

2.2

2.4

3.8

48.3

65.8

91.6

PSYCHROMETRIC SUMMARY

Mean No. of Hours with Temperature

1 32 F + 67 F + 73 F = 80 F + 93 F

Ā

93

93

ğ 0-26-5 2 Z USAFETAC

Element (X)

Rel. Hum.

Dry Bulb

Wat Bulb

Dew Paint

GLOBAL CLIMATOLOGY BRANCH

2x' 2735825

958126

642360

291572

2x 45041

25898

21366

13308

3 °, 55.517.010

31.912.764

26.3 9.905 16.4 9.506

AIR MEATHER SERVICE/MAC

USAFETAC

SECRAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 725697 MATRONA CO/CASPER MY 73-81 DEC 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Poin 2/ 51 5 / 49 12 4. / 47 . 9 12 . 4 / 45 • 6 15 43 42 42 1.7 1.8 3, 27 .5 2.7 35 • 2 7/ 35 .6 1.7 1.0 32 32 41 3 / 33 .7 .9 2.1 34 34 2/ 31 1.0 3.0 4.8 • 6 1.5 3.7 2.3 48 26 .1 1.4 3.2 1.5 / 27 50 50 64 30 .5 2.5 89 33 40 23 30 30 72 .4 1.7 .1 2.7 2.3 2/ 21 46 46 32 50 4.9 2.2 19 65 52 65 86 34 68 34 15 2.2 30 30 41 69 / 13 .7 2.7 29 66 69 29 15 15 11 . 6 . 9 49 0 1.2 11 12 16 .4 1.1 24 3 8 16 / -3 -5 9 ĝ 4 -1 7-13 Mean No. of Hours with Temperatur Element (X) ± 0 F = 32 F = 67 F = 73 F = 80 F = 93 F Rel. Hum. Wet Bulb Dew Paint

USAFETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATS WEATHER SERVICE/MAC 725697 DEC NATRONA CO/CASPER MY 73-81 YEARS 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Builb Wer Builb Dew Peint Temp. (F) /-17 3 1-/-19 5 ./-21 2 2/-23 2 /-25 2./-27 1-29 2/-33 10.928.821.421.5 8.2 6.4 2.7 813 TOTAL 813 813 813 ĝ 0.26.5 51749 2x' 3506857 63.716.194 No. Obe. Element (X) Rel. Hum. 813 ≥ 93 F ≤ 32 F 10 F 715680 517763 26.613.065 22.810.843 62.9 3.4 93 21660 613 Dry Bulb 18529 813 3.5 12200 15.010.280 268894 92.4 93 Daw Paint

GLCBAL CLIMATOLOGY BRANCH USAFETAC AI: "EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

775690 NATRONA CO/CASPER MY
STATION HAME DEC

PAGE 1 2100-2300 HOURS (L. S. T.)

Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
5 / 49							• 1			1								2	2		
4. / 47			1		. 2	1	•		-	ļ							}	6	6		
41 / 45					• 1	. 7	1											7	7		
44/ 43	!		1	- 5	1.2	_	•		1									34	34	: 1	
2/ 41			. 7	2.8						 								58		1	
4 / 32				1.8			1 -	1	į	-				į .		1		37			
3 / 37			1.6		1.1			+	<u> </u>									36			
34 / 35	ļ	. 5	1.4				,	ļ		1							ł	32			
3 / 33		• 2		2.1				 	 -									27			
12/ 31	1	_	3.1				i		k J	1		į				1	i	69	69		
7 / 29			3.7			• -	 	 	 	 							 	58	58		
2 / 27			2.3					1	i	;							ĺ	52	52	76	28
7 / 25			2.1															33	33		
						ļ]		ì		1						ļ	27	27	57	
2-/ 23		2.0	2.9			 	 	 	 	 								56	56	55	
2/ 21			2.2]	1		ļ.		j			1		i				
/ 19			2.1			 		}	}									56			76
1 / 17	. 7					ļ	1]		1					1		41	41		
1/15		2.6	.5		ļ	<u> </u>	 	ļ	 							 -	 -	34	34		
14/ 13		2.0				İ	:	}	ļ	}				1			ļ	25		1	76
1 / 11	1.1							<u> </u>	L	L	Ĺ					<u> </u>	ļ	33	33	25	70
. / 9	• 4	• 4		'			1			ļ						ĺ	-	6	6	26	52
1 7	. 9	. 9					L		1							Ĺ	 	14	14	13	49
1/5	. 9	- 1	† 				1	}]					1		[8	8	10	
4/ 3	1.3	- 1	<u>!</u>				Ì							<u> </u>				9	9	10	19
_/ 1	. 6	1.1		i .			Γ	1										14	14	10	24
/ -1	- 5	_ • 5	i				l	l		<u> </u>			l				<u> </u>	8	8	9	17
- / -3	. 4	• 5					1											7	7	10	7
-1/-5	. 1					l i	ļ	ł	ļ	}))		1			ĺ	1	1	1	9
-:/ -7																					3
/ -9	. 6					j	ł	}	1	1								5	5	5	2
/-11	.2							1										2	2	2	5
-1 /-13	- 7		!			ł	ł		1	1]]]	}]	[_	3
-14/-15	. 4						 	 	-									3	3	3	6
-10/-17	. 4						1	}		}	}					ì	}	3	3		
Element (X)		Z x'			z x	_	- i-	•	-	No. Ol	e. T				Mean ?	to. of H	ours wif	Tempere	ure	<u> </u>	
Rel. Hum.								 	++			101		32 F	= 67		73 F	- 80 F	» 93	F	Total
Dry Bulb				-				 						<u></u>		- -		+	+		
Wat Bulb								 	-+-				-+-		 			 	+		
Dew Point						-+-		 			+				 			 	+		
PAR LOIUL								1					L_		1	L					

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIL WEATHER SERVICE/MAC 725697 NATRONA CO/CASPER MY DEC YEARS STATION STATION NAME 2100-2300 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 231 D.B.W.B. Dry Bulb Wer Bulb Dew Point 5 /-19 5 5 5 2/-23 3 -2-/-25 ./-27 . 1 1 1-29 7-31 34/-35 -3./-37 1 13.530.923.017.6 6.4 7.5 1.0 813 813 813 0-26-5 (OLA) 3701722 X ". 65.416.586 25.013.380 21.511.269 2 x 53178 No. Obs. Element (X) Mean No. of Hours with Temperature 813 Rel. Hum. ≤ 0 F s 32 F ₩ 93 F 4.5 65.7 Dry Bulb 654634 20348 813 93 48C244 17510 813 4.9 77.0 93 Wet Bulb 254462 11454 14.110.707 813 8.0 92.4 93 Dew Point

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR #EATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

77569 NATRONA CO/CASPER NY 73-81

STATION STATION NAME

PAGE 1 ALL

PAGE 1 ALL HOURS (L. S. T.)

Temp.										DEPRE			-		-		TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 2	25 - 26	27 - 28 29	- 30 * 31	D.B./W.B.	Dry Bulb	Wet Bulb [ew Point
2/ 61										.0							1	1		
/ 59		, L						. D	0	. 1							8	8	:	
1./ 57				-				• 1	. 1	• 0							10	10	•	
5 / 55		ι		I	i	1	• 0	• 2	. 1					_ i			25	25		
4/ 53		ī				• 1	• 2	. 1	• 0								32	32		
12/ 51				i	• 0	• 1	• 3	• 2		<u> </u>							44	44		
5 / 49					• 1	. 4	• 5	• 3			İ		ļ				87	87	-	
1 47				• 0	. 5	. 5	. 4	• 2									105	105		
4./ 45.			• 0	• 2	. 7	• 9	• 5	• 1	i		į	1	ì	-			154	154	2	
14/ 43				• 7			. 7		<u> </u>								271	271	26	
2/ 41				1.8			• 3				1	Ì	Ì		Ì		335	336	72	
4 / 39		• C		1.3			• 0		: 		i						303	303	120	
3 / 37		• 0		1.5		. 9	• 0			j 1	!	i	i			1	289	289	249	1
7 / 35	-		1.4		1.5									- 1		i	336	336	336	
3-/ 33	• 1				. 8	• 1					1	- !		- 1		!	308	308	454	45
2/ 31	• ?			3 • 5	. 7	• 2											520	520	414	149
7 / 29		1.1			- 1	į				,			l .			l I	451	451	447	251
2-1 27			2.6		• 0			L.,	L								424	424	567	283
11 25		2.1			• 0				ĺ			i	ļ	1	į.	į	315	315	665	351
2-/ 23	. 1			• 3					L								219	219	488	300
2/ 21	• 5		1.9		i	ļ.						į	İ				361	361	394	410
7 / 19	7			•)						 		-					453	454	402	674
1 / 17	. 9		• 7:		i	i				Ì	1			1		İ	275	275	450	600
1 / 15	. 9									<u> </u>			\rightarrow				239	240	318	609
10/ 13	. 9				i	i				i i	1			1	i		221	222	223	565
1 / 11	. 6							<u> </u>									148	148	194	582
1 / 9	• 2				ļ	:			ĺ	1							70	70	147	399
1/ 5	. 4				+											∤	82	82	92	333
	• 5			!		i						İ	-	İ	- 1		57	57	78	158
-/ 3	• 8 • 6		·i	+	-							 -}		\rightarrow			73	73	71	168
				į							l.	į	1				79	80	67	208
/ -1 - / -3	5		+	+		+								\rightarrow			45	37	55 39	119
-6/ -5	• 2	.4		!	1	ļ		١ ,			- 1	-	:	ļ			37 26	26	19	50
Element (X)	• 4	21'	_		E X	1	_			No. Ob					Mana Na	of Hours wit			17	41
Rel. Hum.		- X.			· X		<u> </u>	· · ·	+-	NO. US		= 0 F	1 -	32 F	2 67 F	≥ 73 F	= 80 F	- 93 F	-	etel .
Dry Bulb						+			+		-	= + F	+ 3			+ -/3 -		- 73 -	 -	
Wet Bulb						+							+-	-+		+		+	+	
Dew Paint						-+			+		-+		+			 	 	+		

DBM 0-26-5 (OLA) BEYISED REVIOUS EDITIONS OF

SAFETAC 100

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 775697 NATRONA CO/CASPER MY DEC 73-81 PAGE 2 ALL HOURS (L. S. T.) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 - 3 - 3 - 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) D.B./W.B. Dry Bulb Wet Bulb Dew Point 26 / -7 26 35 21 1 -9 • 3 /-11 • 2 13 13 17 32 -1 /-13 • 2 -1-/-15 13 13 13 22 23 31 -1:/-17 13 10 16 /-19 • 3 22 22 22 1-21 2/-23 11 -21/-25 12 ? /-27 4 9 1-29 12 7-31 12/-33 -3-/-35 3 -3 /-37 1-39 2 13.728.221.717.310.0 7.5 3.0 1.2 .3 6539 6534 6534 6534 ğ 0.26.5 2 x 4 0 7 9 7 9 Element (X) No. Obs. Mean No. of Hours with Temperature 27437909 6534 ±0F ±32F 27.2 481.3 Rel. Hum. ≥ 47 F = 73 F = 80 F ≥ 93 F Total 744 5998655 177855 27.213.327 6539 Dry Buib 4248473 150851 23.110.827 6534 29.4 600.6 744 Wet Bulb 51.0 738.8 Dew Point 2128648 14.910.192 6534 744

GLOBAL CLIMATOLOGY BRANCH LOGSFETAC AT WEATHER SERVICE/MAC

STATION

NATRONA CO/CASPER WY

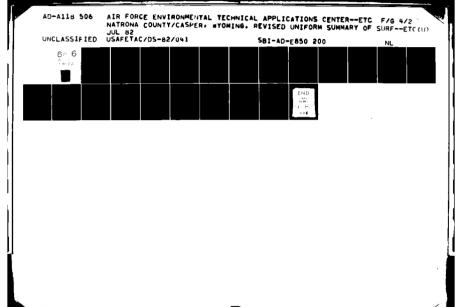
PSYCHROMETRIC SUMMARY

PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 2/1/1 • 0: 1 C/ €/ 97 20 20 • 7 6/ 95 .1 66 66 93 .0 . 2 160 160 1.1 191 238 239 <u>. 2</u> / 89 465 8/ 87 684 684 6/ 85 • 0 • 0 • 1 • 2 . 1 866 866 4/ 83 881 . 0 882 • 3 899 / 31 .7 . 1 . 1 . 3 . 2 . 2 .1 . 0 899 / 79 989 989 . 0 .0 7 / 77 1075 1076 . 1 6/ 75 1247 1248 73 • 0 1325 1326 4/ • 1 • 1 • 3 . 4 • 3 . 1 . 0 1396 1396 .0 69 • 0 • 0 . 3 . 3 • 0 1553 1554 . 1 • 2 • 3 • 3 - 2 • 0 • 1 / 67 . 0 •0 1661 1663 . 2 1661 1662 88 65 • 3 . 2 .0 . 0 41 63 1716: 1716: 21 1903 1904 1158 24 51 • 3 • 3 . 4 .0 59 2115 2117 2250 . 0 151 57 . 3 . 4 . 5 . 2 .0 2279 2281 3009 . 2 • 3 • 0 <u>524</u> / 55 2626 2628 3210 -4/ 53 2338 2338 3393 738 2/ 51 2204 2205 3301 . 3 2233 2236 3313 1700 5./ 49 • 3 . 5 • 5 • 3 • 0 · / 47 2477 2479 3021 2058 45 2544 2546 3093 2387 . 5 . 6 . 6 .1 4/ 43 2779 2780 3277 2247 41 2938 2941 3302 2414 2831 2834 3243 3120 2824 2826 3558 3201 . 6 . 8 37 .5 1.2 1.0 / 35 2960 2961 3785 3273 Mean No. of Hours with Element (X) No. Obs. ≥ 80 F > 93 F 20 F : 32 F 2 73 F Total Dry Bulb Wet Bulb Dew Paint

73-81

0-26-5 (OL.A) sevisto mevious ti

ETAC NOW 0.26-



ğ Ě

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

NATRONA CO/CASPER WY

72569

PSYCHROMETRIC SUMMARY

STATION STATION MAME PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wat Bulb Dew Point 3 / 33 .2 1.3 1.0 1.0 . 4 . 0 3003 3008 4347 3257 .3 1.6 1.6 1.1 3731 3731 4003 5112 2717 2718 3742 4479 . 2 .4 1.1 1.4 •0 •r . 6 2.1 27 2409 2413 3671 4931 .2, 1.3 1.2 25 .2 1.1 • 2 1818 1819 3445 4387 • 9 2 / 23 1298 1300 2444 3388 . 1 . 1 21 1.1 1498 1498 1924 3947 21 • 2 • 6 13 .2 1.6 1806 1811 1695 5144 1093 1095 1681 3564 17 . 9 / 15 . 1 964 968, 1166, 3000 13 .1 804 806 966 2577 1 / 11 . 5 • 0 592 593 723 2232 • 7 664 1744 . 4 462 462 • 7 459 460 453 1315 .0 339 340 459 717 382 382 383 628 . 4 454 457 407 811 / -1 . 1 309 309 386 461 201 237 338 201 / -5 157 157 140 262 120 120 158 202 -9 • Q 150 150 156 221 /-11 • 0 114 114 127 221 /-13 • D 57 57 60 129 -1./-15 67 67 168 67 .1 /-17 . 1 52 52 52 164 :/-19 53 53 53 162 1-21 93 31 31 31 2/-23 17 17 71 17 24/-25 51 20/-27 10 10 10 44 -/-29 6 6 34 /-31 12 12/-33 5 Element (X) = 67 F = 73 F = 80 F = 93 F s 32 F Rel. Hum. 10F Dry Bulb Wet Bulb Dew Paint

73-81

ತ 0.26-5 12

AFETAC

GLCSAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/HAC NATRONA CO/CASPER MY PAGE 3 TOTAL TOTAL
D.B. W.S. Dry Bulb Wer Bulb Dew Pein WET BULB TEMPERATURE DEPRESSION (F) (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 -34/-35 -3:/-37 /-39 77209 5.520.415.711.6 9.2 7.2 5.9 4.9 4.0 3.3 2.8 2.3 2.0 1.7 1.3 1.1 TOTAL 77143 77143 0-26-5 (OL A) Z_g, Element (X) Ne. Obe. Mean No. of Hours with Temperature O OSAFETAC +67 F = 73 F = 80 F = 93 F 55.622.826 77143 278467270 4287322 s 32 F 153.28514.91538.61014.5 547.1 170.93325.9 1.4 300.65746.0 77209 8760 Dry Bulb 192178749 3491989 36.915.073 27.114.043 Wet Bulb 122298917 2842957 77143 8760 77143 2094140 8760 72061458

GLOBAL CLIMATOLOGY BRANCH USDFETAC AI- WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7.2569E NATRONA CO/CASPER MY 73-81

STATION NAME FEARS

IRS ILST		JAN	FEB.	MAR	APR.	MAY	JUN.	JUL.	AUG	SEP	OCT	NOV	DEC	ANNUAL
	MEAN	17.2	23.0	28.4	35.8	42.8	53.0	61.5	57.5	48.5	39.3	28.8	24.7	38.4
0+00	5 D	15.1631	12.027	9.533	8.173	7.270	7.576	6.228	6.601	8.588	8.418	12.2681	2.944	17.07
	TOTAL OBS	823	745	818	786	823	793	814	818	796	824	795	815	965
	MEAN	16.5	22.3	27.3	33.8	40.4	49.7	57.6	54.2	46.1	37.9	27.7	24.0	36.
1-35	5 D	15.2531	1.899	9.552	7.981	6.851	7.346	6.156	6.488	8.466	8.427	11.9961	2.864	16.17
	TOTAL OBS	â26.	750	824	792	821	797	824	824	789	817	795	816	967
	MEAN	16.3	22.3	28.1	36 . 8	46.2	57.7	64.3	59.2	49.6	39.3	28.0	23.6	39.
<i>E</i> = 18	5 D	15.0453	11.778	9.708	9.124	8.723	8.706	6.970	7.856	9.934	8.991	11.634	2.640	18.47
	TOTAL OBS	814	747	821	796	820	794	818	816	790	812	796	823	964
	MEAN	21.6	28.2	35.7	46.3	55.6	69.1	76.2	72.2	63.3	50.5	35.0	28.3	48.
- 11	SD	14.415	11.903	10.851	11.576	10.910	9.819	7.433	8.134	11.207	11.216	12.780	12.621	21.29
	TOTAL OBS	619	746	821	794	820	794	821	808	797	815	789	820	964
	MEAN	27.2			52.3					71.3				54.
114		13.921	11.693	11.626	12.673	11.626	10.588	7.486	8.166	11.847	12.634	13.971	12.631	22.16
	TOTAL OBS	812	752	823	790	813	793	417	821	789	807	790.	826	963
				`										
	MEAN		33.6				,	84.0		72.3	,			54.
15-17		14.145												22.76
	TOTAL OBS	827	750	831	790	824	785	813	815	795	827	789	812	965
														
	MEAN	20.5	27.1			55.0					46.9			47.
-2 '	S D.	14.443												21.78
	TOTAL OBS	831	750	820	792	825	791	412		780	819	796	813	945
														
	MEAN	18.5	24.6							1	_			41.
:-23	5 D	14.736									1			18.55
	TOTAL OBS	821	748	816	788	821	794	819	826	794	813	791	813	964
		 _		,i										1.5
ALL	MEAN	20.6	26.8			51.2		71.3		58.2		,		45.
HOURS	5 D	15.159										13.650		206
	TOTAL OSS	L 6573	5988	6579	6328	6567	_6391	6538	6556	6330	6534	6341	6539	7720

USAFETAC FORM 0-89-5 (OL1)

C

SE PAL CLIMATOLOGY BRANCH

A . REATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

7.1569 NATRONA CO/CASPER WY

73-81

YEARS

HRS ILSTI		JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL	AUG	SEP	OCT.	NOV	DEC	ANNUAL
	MEAN	15.1	20.2	25.4	32.2	39.0	46.5	52.8	49.3	41.5	33.9	24.9	21.3	33.6
0-02	S D	13.832	10.505	8.048	6.628	5.886	5.684	4.203	4.819	6.279	5.833	9.698	10.844	14.424
	TOTAL OBS	822	745	816	786	822	792	814	818	796	824	795	816	9646
	MEAN		19.6			37.3							20.8	
· - ,5	S D	13.902	10.376	8.168	6.692	5.715	5.614	4.548	4.848	6.287	5.974	9.683	10.943	14.082
	TOTAL OBS				791						817			9666
	MEAN		19.5					54.7					20.5	34.1
ე8	S D	13.700	10.304	8.199	7.007	6.252	5.686	3.907	4.912	6.513	6.031	9.335	10.723	15.249
	TOTAL OBS				796			817				793		9635
	MEAN	18.5	24.0	30.0	38.0	45,4	53.5	58.8	55.7	48.8	40.3	29.1	23.9	34.9
-11	S D	12.649	9.702	7.949	7.300	6.575	5.625	3.168	3.880	5.749	6.143	9.297	10.177	15.290
	TOTAL OBS	619	744:	821	792	820	794	820	807	795	814	789	819	9634
	MEAN	22.8	27.6	33.1	40.5	47.2	54.7	59.6	57.3	51.4	43.6	32.5	27.5	41.5
13-14	5 D	11.664	8.495	7.744	6.933	6.306	5.214	2.861	3.552	5.416	6.370	9.216	9.594	14.250
	TOTAL OBS	811	751.	820	749	413	793	817	821	789	807	790	826	9627
	MEAN	22.2	27.9	33.5	40.5	47.3	54.4	59.2	54.9	51.2	43.2	31.5	26.3	41.2
£ - 17	5 D	11.883	8.823	7.477	6.953	6.107	4.996	2.742	3.404	5.272	6.478	9.464	9.905	14.341
	TOTAL OBS	827	797	831	789	822	785	412	814	795	827	787.	811	9647
		L								· · ·				
	MEAN	17.8	23.5	29.7	37.6	45.0	52.8	57.6	54.4	47.2	38.0	27.2	22.8	37.8
-20	S D	12.874	9.783	7.568	6.971	6.085	5.326	3.059	3.993	5.815	6.020	7.429	10.843	15.223
	TOTAL OBS	831	749	820	792	822	791	812	627	780	817	794	813	9648
	MEAN		21.6											
	S. D	13.340	10.354											14.770
	TOTAL OBS	821	748	814	788	821	793	819	825	794	613	791	813	9640
ALL	MEAN		23.0											
HOURS	\$. D	13.356												
	TOTAL OBS	6567	5979	6567	6323	6559	6339	6532	6551	6328	6530	6334	6539	77143

USAPETAC FORM 0.89-5 (OLI)

GLOBAL CLIMATOLOGY BRANCH CHAFETAC ATHER SERVICE/MAC

NATRONA CO/CASPER MY

775690

STATION

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

32.1

780

33.1

794

33.2

6328

26.5 18.5 15.0

794 813

813

14.9

6.891 8.65720.280

26.5 17.9 14.1

791

6.787 8.75510.192

6530 6334 6534

817

813

26.7 18.4

26.9

9648

27.2

9690

27.1

14.043

14.522

13.645

39.4

127

40.9

825

40.9

6551

8.851 4.739

8.086 8.218

FEB MAR SEP MAY JUN AUG NOV MEAN 13.5 19.6 27.0 34.5 40.4 45.6 8.9 41.8 33.4 26.2 17.5 26.9 S D 14.35110.607 8.357 6.986 6.747 7.185 7.566 7.855 8.412 6.940 9.20010.462 14.823 822 745 816 786 822 818 792 814 824 796 795 816 9646 6.2 12.9 19.D 26.2 33.4 39.8 45.4 41.5 33.1 25.9 17.3 13.8 26.4 _ ~ ≈ S D 14.30810.530 8.407 7.246 6.568 6.726 7.010 7.250 8.117 6.740 9.35210.618 14.769 750 797 824 824 791 820 821 824 789 817 795 MEAN 8.3 12.7 19.2 27.1 35.5 42.D 47.2 43.1 34.2 26.2 17.4 13.5 27.3 S D 14.15710.468 8.449 7.312 6.621 6.939 6.513 6.884 7.726 6.464 9.08210.441 80-3 15.320 TOTAL OBS 812 745 821 796 819 794 -817 815 790 811 793 9635 11.0 15.6 20.9 27.9 35.1 40.6 46.4 42.8 35.1 28.2 19.5 15.4 12.887 9.624 7.853 7.055 7.351 7.720 6.862 7.182 7.471 6.281 8.416 9.681 - i 1 S D. 14.111 TOTAL OBS 819 744 821 792 820 799 820 807 795 815 789 819 9634 13.9 17.7 21.1 26.5 33.5 37.2 42.3 39.7 33.1 27.5 20.1 17.0 12.032 8.651 7.695 7.073 7.969 8.054 8.026 7.955 7.738 6.748 7.747 9.198 MEAN SD 12.442 TOTAL OR 811 751 820 789 813 793 817 821 807: 790 789 9627 MEAN 13.5 17.8 20.6 25.8 33.4 36.0 40.6 38.0 31.3 26.4 19.3 26.6 S.D. 12.216 8.656 7.682 7.473 8.348 8.273 8.777 8.447 8.302 6.790 7.990 9.506 5-17 12.324 TOTAL OBS 827 747 831: 789 822 785 812 814 795 827 787: 811 9697

> 10.9 16.1 20.7 26.9 34.6 38.4 42.9 13.196 9.653 7.982 7.646 7.942 8.171 8.508

792

784

10.6 15.2 24.2 26.9 34.4 39.4 44.4 13.53710.020 8.100 7.276 7.403 7.829 8.008

6323 6559

822

35.4

821

791

40.4

793

13.73310.334 8.088 7.193 7.102 7.646 8.275 8.666 8.581 7.127 9.03110.707

6339 6532

812

45.0

819

749 820

9.9 14.9 20.4 27.6

814

748

6567 5979 6567

73-81

USAPETAC POM 0-89-5 (OL1)

MEAN

5. D

TOTAL OB

MEAN

5. D

TOTAL OB

MEAN

S. D.

TOTAL OBS

-2

1-23

ALL

(

C

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

ť.

t.

RELATIVE HUMIDITY

725690 NATRONA CO/CASPER MY 73-81 JAN
STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	'		PERCENTAG	E FREQUENCY	Y OF RELATIVE	HUMIDITY G	REATER THAN			RELATIVE	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90°.	HUMIDITY	OBS.
JAN	00-02	100.0	100.0	99.5	98.7	91.6	79.6	51.3	25.5	10.1	70.9	822
	J3-05	100.0	100.0	99.6	98.7	91.5	78.5	51.9	25.1	9.7	71.0	824
	36-08	100.0	99.9	99.6	97.8	91.6	78.7	47.0	23.3	8.4	70.3	812
	09-11	100.0	100.0	99.3	94.9	84.6	65.2	34.3	13.8	3.3	65.2	819
	12-14	100.0	99.6	96.5	89.1	73.5	49.7	18.9	5.8	.4	59.1	811
	15-17	100.0	99.6	96.0	89.2	76.1	53.4	23.8	7.7	.8	60.3	827
	18-20	100.0	100.0	99.6	97.6	88.2	71.1	42.1	19.9	5.3	67.9	831
	21-23	100.0	100.0	99.6	98.9	89.9	74.9	49.1	24.0	9.0	70.0	821
										 		
TO	TALS	100.0	99.9	98.7	95.6	85.9	68.9	39.8	18.1	5.9	66.8	656

USAPETAC ROM 0-87-5 (OL A)

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725697 STATION

2

Ċ

NATRONA CO/CASPER WY

73-81

MERIOD

FEB

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	,		PERCENTAG	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
FEB	J0-02	100.0	100.0	99.3	96.5	87.9	69.8	43.9	24.4	9.1	68.5	745
	03-05	100.0	100.0	98.9	96.7	89.6	69.7	43.9	23.2	9.3	68.6	750
	06-08	130.0	100.0	98.9	96.5	89.1	68.5	43.4	19.1	6 - 8	68.0	745
	09-11	100.0	99.3	96.8	90.6	75.8	52.6	26.1	11.8	2.8	61.1	744
	12-14	100.0	98.0	92.0	82.8	63.4	38.3	16.0	5.9	1.1	55.3	751
	15-17	100.0	96.9	92.2	81.4	63.9	38.3	15.3	5.0	1.1	55.1	747
	18-20	100.0	99.5	98.3	92.9	83.3	65.7	37.4	16.8	3.2	65.2	749
	21-23	100.0	100.0	99.5	96.4	88.5	70.9	42.9	23.0	6.7	68.0	748
	-	 		 	}			 	ļ			
†C	TALS	100.0	99.2	97.0	91.7	80.2	59.2	33.6	16.2	5.0	63.7	5979

USAPETAC FORM 0-87-5 (OL A)

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

RELATIVE HUMIDITY

725697

NATRONA CO/CASPER MY
STATION NAME

73-81

MAR

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90°-	HUMIDITY	NO OF OBS.
MAR	20-00	100.0	100.0	99.5	96.4	88.7	74.0	55.9	35.0	10.0	71.4	816
	03-05	100.0	100.0	99.4	96.8	91.1	76.8	57.5	36.2	11.2	72.4	824
	06 ~ 08	100.0	100.0	99.4	96.6	88.9	71.6	53.6	34.5	11.1	70.9	821
	09-11	100.0	99.6	93.5	80.3	60.8	43.4	29.1	15.5	3.0	58.0	821
	12-14	100.0	95.0	79.8	59.9	40.5	28.8	16.7	7.8	1.5	48.6	820
	15-17	100.0	93.5	74.1	54.3	36.0	24.3	16.8	6.5	1.4	46.5	831
	18-20	100.0	99.1	93.0	80.1	64.1	45.9	30.2	15.9	2.7	58.7	820
	21-23	100.0	100.0	99.0	94.1	84.5	67.6	45.5	27.1	7.2	67.9	814
TO	TALS	100.0	98.4	92.2	82.3	69.3	54.1	38.2	22.3	6.0	61.8	6567

USAPETAC PORM 0-87-5 (OL A)

GLEBAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725690 STATION

2

NATRONA CO/CASPER MY

73-81

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(L S T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OSS.
APR	10-02	100.0	100.0	100.0	96.8	89.2	76.5	54.2	36.6	13.1	72.2	786
	ರಿ3−05	100.0	100.0	99.7	97.3	93.2	81.9	62.7	43.4	15.9	74.9	791
	ü6−08	100.0	99.6	98.5	94.8	84.4	68.7	52.9	36.2	13.8	70.6	796
	09-11	100.0	97.3	84.8	67.6	47.5	34.2	23.6	15.9	6.3	53.3	792
	12-14	99.6	86.4	61.9	40.1	30.C	22.1	15.1	10.0	4.3	42.5	789
	15-17	99.0	79.7	55.5	39.9	29.8	22.8	16.3	11.2	5.7	41.6	789
	18-20	99.9	94.2	80.3	63.9	48.1	36.2	26.1	16.0	6.8	52.7	792
	21-23	100.0	99.9	98.4	91.6	76.1	58.6	42.1	26.8	12.2	66.1	788
				 	 			<u> </u>	-			
	ļ											
10	TALS	99.8	94.6	84.9	74.0	62.3	50.1	36.6	24.5	9.8	59.2	632

USAPETAC 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATP WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725691:

NATRONA CO/CASPER WY

73-81

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	,		PERCENTAG	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN → RELATIVE	TOTAL NO OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80°•	90%	HUMIDITY	OBS.
444	30-02	130.0	100.0	99.6	97.2	90.6	78.2	61.7	42.1	14.4	73.9	822
	03-05	100.0	100.0	99.4	98.4	93.0	84.5	70.9	52.1	20.1	77.5	820
	16-06	100.0	100.0	98.9	92.7	80.3	63.7	50.2	34.8	12.8	69.0	819
	09-11	100.0	97.3	81.1	62.0	40.9	27.3	18.2	12.6	5.2	50.2	820
	12-14	1-00.0	83.6	58.8	38.3	26.1	17.0	12.5	8.5	2.0	40.6	813
	15-17	99.8	81.8	55.8	39.9	26.8	18.6	13.6	8.6	2.4	40.5	822
	18-20	100.0	93.4	79.8	61.4	45.1	32.0	21.5	13.9	4.9	51.0	822
	21-23	100.0	99.6	97.7	89.5	77.6	62.6	47.6	27.3	10.0	66.8	821
									 	ļ		
-	<u> </u>		 								<u> </u>	
10	TALS	100.0	94.5	83.9	72.4	60.1	46.0	37.0	25.0	9.0	58.7	6559

USAPETAC PORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR MEATHER SERVICE/MAC

RELATIVE HUMIDITY

7~5690	NATRONA CO/CASPER WY	73-81	NUL
STATION	STATION NAME	PERIOD	MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°∘	80°-	90°.	HUMIDITY	NO OF OBS
JUN	JO-02	100.3	99.6	97.1	90.0	77.4	61.1	41.3	19.8	5.8	65.0	792
<u>-</u> -	03-95	100.0	170.0	98.4	94.7	84.3	74.2	57.2	34.3	11.2	71.1	797
	36-08	100.0	98.9	93.8	84.4	67.4	44.1	28.8	12.6	3.7	58.9	794
	09-11	99.5	89.8	66.8	40.1	18.9	7.3	3.8	2.0	1.0	38.4	794
	12-14	96.5	63.8	29.9	14.4	7.3	4.8	3.9	1.9	.8	28.1	793
	15-17	94.0	55.3	27.6	14.5	8.9	5.4	3.7	2.4	1.0	27.1	789
	18-20	98.0	80.3	56.9	33.0	20.0	11.4	6.7	2.8	.9	36.4	791
	21-23	100.0	97.4	90.8	74.9	53.7	33.5	18.7	8.1	2.1	53.5	793
						<u> </u>						
to	TALS	98.5	85.6	70.2	55.8	42.2	30.2	20.5	10.5	3.3	47.3	6339

USAPETAC FORM 0-87-5 (OL A)

2

GLIBAL CLIMATOLOGY BRANCH CINFETAC AI: REATHER SERVICE/MAC

RELATIVE HUMIDITY

7.2569.7 STATION

NATRONA CO/CASPER AY
STATION NAME

73-81

PERIOD

JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	•		PERCENTAG	E FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
нтиом	(LST)	10%	20%	30°•	40%	50%	60°∘	70°•	80°.	90°.	HUMIDITY	OBS
JUL	20-02	100.0	39.0	91.9	79.6	63.8	45.8	31.3	19.2	6.5	59.5	814
	3-05	100.0	100.3	96.7	87.9	78.2	63.3	45.8	25.5	8.8	66.5	821
	80-6د	100.0	98.4	92.2	78.6	60.7	42.0	26.9	12.1	3.5	57.3	817
	09-11	99.8	87.8	61.5	36.7	18.8	9.5	4.0	2.4	1.0	37.9	820
	12-14	97.1	56.7	28.8	12.5	6.4	4.3	2.9	1.6	1.0	26.7	817
	15-17	93.2	48.8	24.3	12.7	8.1	4.9	3.0	2.5	.9	25.2	812
	18-20	98.9	71.8	45.9	28.9	18.1	12.1	7.4	4.1	1.2	34.5	812
	21-23	130.0	96.5	78.5	59.5	41.3	27.2	20.0	12.0	3.2	49.6	819
			 -		 							
10	TALS	98.6	82.4	65.0	49.6	36.9	26.1	17.7	7.9	3.3	44.7	6532

USAFETAC 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7	2	56	9	_	
	_	-	_	•	 _

NATRONA CO/CASPER MY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
AUG	00-02	130.0	98.9	92.7	79.2	65.3	47.8	30.1	15.3	3.5	59.2	818
	03-05	170.0	99.3	96.7	87.4	75.4	61.8	43.9	23.5	6.9	65.2	824
	06-08	100.0	99.0	92.8	80.6	63.3	45.3	29.0	13.4	3.2	58.5	815
	J9-11	99.9	85.9	62.6	38.3	19.7	8.3	4.2	2.5	.4	37.9	807
	12-14	97.8	58.1	28.7	13.8	6.6	4.0	2.4	1.1	.1	26.7	821
	15-17	95.5	49.1	23.7	12.8	8.2	5.2	3.3	1.2	.1	25.2	814
	18-20	98.9	72.3	48.2	31.0	17.7	11.9	7.6	3.4	.7	34.9	827
	21-23	100.0	97.0	80.1	60.4	42.8	26.7	16.8	7.4	1.8	48.9	825
	-					 	-				-	
TO	TALS	99.0	82.5	65.7	50.4	37.4	26.4	17.2	8.5	2.1	44.6	6551

USAFETAC 0-87-5 (OL A) GLUBAL CLIMATOLOGY BRANCH USEFETAC AIN NEATHER SERVICE/MAC

RELATIVE HUMIDITY

725697 STATION

NATRONA CO/CASPER WY
STATION NAME

73-81

BERNAN

SEP

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAG	E FREQUENC	Y OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
нтиом	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90°.	HUMIDITY	OBS.
SEP	00-02	100.0	99.9	92.8	78.0	62.3	46.1	32.9	19.7	8.3	59.7	796
	03-05	100.0	100.0	95.4	83.1	69.5	55.8	40.8	27.0	11.2	63.9	789
	36-08	100.0	99.4	90.0	76.7	60.5	47.2	35.2	22.4	10.8	59.8	790
	09-11	99.9	83.0	58.6	38.4	23.9	15.3	9.9	5.7	3.3	39.6	795
	12-14	98.2	56.1	31.9	19.1	11.4	6.8	5.3	3.8	1.6	28.8	789
	15-17	94.2	45.9	27.5	16.9	11.2	7.2	4.9	2.8	1.5	26.6	795
	18-20	99.6	77.7	50.3	35.1	23.3	15.6	9.9	5.1	2.4	37.5	780
	21-23	100.0	98.2	81.7	60.6	43.7	32.0	20.0	12.1	4.2	50.9	794
			-									
		 										
10	TALS	99.0	82.5	66.0	51.0	38.2	28.3	19.9	12.3	5.4	45.9	6328

USAPETAC FORM 0-87-5 (OL A)

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

RELATIVE HUMIDIA

72569°

NATRONA CO/CASPER MY

OCT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	i		PERCENTAG	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OSS.
oct	JO-02	100.7	99.3	94.5	84.8	69.1	53.2	39.6	26.3	9.1	62.9	824
	03-05	100.0	99.8	96.7	87.4	71.2	57.4	42.7	32.2	11.1	65.3	817
	06-08	100.0	99.9	95.2	82.7	66.6	53.3	39.1	29.1	10.5	63.3	811
	09-11	100.0	92.6	71.5	52.3	37.6	26.5	18.3	11.4	4.2	47.1	814
	12-14	99.3	74.5	48.6	30.0	21.2	15.9	10.4	6.4	2.9	36.4	807
	15-17	99.5	68.0	45.9	28.7	21.0	16.1	10.5	6.5	1.7	35.3	827
	18-20	100.0	94.4	78.1	59.5	41.6	27.3	20.3	13.0	2.4	49.4	817
	21-23	100.0	98.8	93.2	77.6	61.6	44.6	32.3	21.4	4.9	58.9	813
		-				 			 			
70	TALS	99.9	90.9	78.0	62.9	48.7	36.8	26.7	18.3	5.9	52.3	6530

USAPETAC 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

7	2	5	6	9	C

NATRONA CO/CASPER MY

PERIOD

NOV

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN	1		MEAN	TOTAL
	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO OF ORS.
NOV	00-02	100.0	99.9	96.5	88.2	77.5	64.3	44.3	26.9	6.2	65.9	799
	03-05	100.0	100.0	97.7	90.4	78.6	67.3	47.7	29.3	7.5	67.6	795
	06-08	100.0	100.0	97.9	90.2	79.8	64.2	46.9	28.2	8.2	67.1	79.
	09-11	100.0	99.4	92.1	76.2	61.5	41.7	24.7	16.6	2.5	56.5	789
	12-14	100.0	95.4	75.3	58.0	43.3	26.2	14.3	5.9	.9	47.4	790
	15-17	100.0	93.5	76.0	59.3	47.1	30.9	16.1	6.7	1.1	48.7	787
	18-20	100.0	99.7	94.2	82.1	67.6	52.6	31.5	14.5	2.8	60.0	794
	21-23	100.0	100.0	96.1	85.5	74.3	60-1	38.9	21.7	7.0	64.0	791
		 	 			 			 			
to)TALS	100.0	98.5	90.7	78.7	66.2	50.9	33.1	18.0	4.5	59.7	6334

0-87-5 (OL A)

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

RELATIVE HUMIDITY

77569	0
STATE	M

NATRONA CO/CASPER MY

73-81

BERIOD.

DEC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
DEC	00-02	100.0	100.0	99.3	92.4	78.1	61.9	39.7	24.0	8.2	66.0	81
	03-05	100.0	100.0	99.3	93.1	81.3	64.7	43.1	25.2	7.1	67.1	81
	o6-08	100.0	100.0	99.0	93.4	83.1	65.9	43.4	24.6	6.6	67.3	82
	09-11	100.0	100.0	97.2	87.5	70.2	49.1	28.9	15.0	3.7	60.8	81
	12-14	100.0	100.0	91.4	75.7	55.3	33.5	16.8	8.0	1.3	53.7	82
	15-17	100.0	100.0	93.3	78.8	60.5	37.6	18.6	8.6	2.6	55.5	81
	18-20	100.0	100.0	99.6	91.0	78.2	55.6	33.7	18.5	4.9	63.7	81
	21-23	100.0	100.0	99.0	92.0	79.6	59.2	39.7	21.3	7.0	65.4	81
·		 	+	 	 			 	 	 		
	<u> </u>		+					 	 			
10	TALS	100.0	100.0	97.3	88.0	73.3	53.4	33.0	18.2	5.2	62.4	653

USAPETAC ROSM 0-87-5 (OL A)

GLEBAL CLIMATOLOGY BRANCH GSAFETAC ATH WEATHER SERVICE/MAC

RELATIVE HUMIDITY

725693 STATION

•

NATRONA CO/CASPER MY

73-81

ALL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENC	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(t.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
JAN	ALL	100.0	99.9	98.7	95.6	85.9	68.9	39.8	18.1	5.9	66.8	6567
FEB		100.0	99.2	97.0	91.7	80.2	59.2	33.6	16.2	5.0	63.7	5979
MAR		100.0	98.4	92.2	82.3	69.3	54.1	38.2	22.3	6.0	61.8	6567
APR		99.8	94.6	84.9	74.0	62.3	50.1	36.6	24.5	9.8	59.2	6323
MAY		100.0	94.5	83.9	72.4	60.1	48.0	37.0	25.0	9.0	58.7	6559
JUN		98.5	85.6	70.2	55.8	42.2	30.2	20.5	10.5	3.3	47.3	6339
JUL		98.6	82.4	65.0	49.6	36.9	26.1	17.7	9.9	3.3	44.7	6532
AUG		99.0	82.5	65.7	50.4	37.4	26.4	17.2	8.5	2.1	44.6	6551
SEP		99.0	82.5	66.0	51.0	38.2	28.3	19.9	12.3	5.4	45.9	6328
ост		99.9	90.9	78.0	62.9	48.7	36.8	26.7	18.3	5.9	52.3	6530
NOV		100.0	98.5	90.7	78.7	66.2	50.9	33.1	18.0	4.5	59.7	6334
DEC		100.0	100.0	97.3	88.0	73.3	53.4	33.0	18.2	5.2	62.4	6534
101	TALS	99.6	92.4	82.5	71.0	58.4	44.4	29.4	16.8	5.5	55.6	77143

USAPETAC POM 0-87-5 (OL A)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

PART F

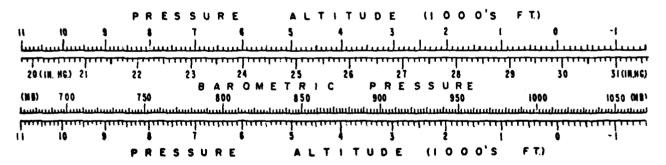
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945. Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65. METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLEBAL CLIMATOLOGY BRANCH USAFETAC Al- MEATHER SERVICE/MAC

(

()

11

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

7.569 NATRONA CO/CASPER MY 73-81
STATION STATION NAME YEARS

IRS (LST	i	JAN	FEB.	MAR	APR.	MAY	JUN	ĮUΙ	AUG	SEP	OC1	NOV	DEC	ANNUAL
	MEAN	24.618	24.623	24.5402	4.5972	24.6112	4.674	24.7422	4.7322	4 . 7362	4.7172	4.6772	4.627	24.65
ſ	SD	.172	.171	.176	.174	.155	.127	.099	. 104	.133	.167	.173	.180	.16
	TOTAL OBS	276	250	273	261.	273	267	279	273	266	279	260.	274	322
	MEAN	24.632	24.639	24.5502	4.615	24.6322	4.701	24.7692	4.7602	4.7632	4.7302	4.6902	4.646	24.67
	S D	.174	.178	.174	.176	.161	.128	.103	.109	.142	.173	.175	.181	.17
	TOTAL OBS	274	249.	276	265	–		271.	278	269	270	266	274	323_
	MEAN	24.630	24.633	24.5542	4.6162	24.6302	4.698	24.7712	4.7572	4.7632	4.7282	4.6862	4.643	24.67
Ρ.	S D	•171	.175	.173	.177	. 157	.129	.094	-100	.138	.169	.175	.181	.16
	TOTAL OBS	269	250								269	267	275	320
	MEAN	24.658	24.660	24.5642	4.623	24.6342	4.694	24.7722	4.7632	24.7752	4.7422	24.7062	4.674	24.68
1	\$ D	.181	.181	.174	.180	.163	.136	•100	.107	.143	.174	.177	.184	.17
	TOTAL OBS	274	248	276	264	273	268	276	268	266	276.	261	276	322
	MEAN	24.595	24.602	24.5162	4.577	24.5902	24.642	24.7192	4.700	24.713	4.682	24.6402	4.610	24.63
2.4	5 D	.175	.177	.174	-174	.158	.127	.095	.102	.133	.165	.175	.184	.16
	TOTAL OBS	273	251	274		270			274	263	270	242.	274	321
	MEAN	24.628	24.628	24.5292	4.586	24.5912	4.641	24.7192	4.704	4.721	4.675	4.6642	4.634	24.64
7	S D	.175	.178	.167	.175	.157	.125	.104	.107	.141	.168	.174	.185	. 16
	TOTAL OBS	278	248	276.	264	276	265	279	269	261	271.	269.	272	
	MEAN	24.623	24.620	24.5352	4.595	24.5982	14.642	24.7182	4.707	4.725	4.705	14.6642	4.626	24.64
ņ	\$ O	.170	.174	.166	.167	.153	.119	.098	.100	.130	. 164	.175	.182	-14
	TOTAL OBS	279	248	270	265	279	265	268	276	259.	273.	244.	270	
*****	MEAN	24.640	24.642	24.5612	4.624	24.6302	24.690	24.7622	4.748	4.757	4.730	4.6872	4.654	24.67
2 ?	S D	.177	.181	.168	.175	-161	.124	-108	.109	.141	-174	.172	.105	-16
	TOTAL OBS	272	248	275	266	274	264	274	276	266	273.	244.	273	322
	MEAN	24.628	24.631	24.5442	4.604	24.6142	19.673	29.7962	4.7342	4.744	4.716	14.6772	4.639	24.66
ALL HOURS	S D.	.175	.177	.172	.175	.159	.129	.103	.108	.139	.170	.176	.183	.16
.,	TOTAL OBS			2196	2115	2188	2120	2180	2180	2113	2182	2114	2192	2576

USAPETAC FORM 0-89-5 (OLI)

SE MAL CLIMATOLOGY BRANCH ISSUETAC AT WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

7 5697 NATRONA CO/CASPER WY 73-81
STATION STATION NAME YEARS

MRS LST	1	JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
	MEAN									1015.5				1015.3
	S D	8.444	8.410	8.425	7.973	7.207	5.855	4.702	4.888	6.749	7.983	8.352	8.730	7.884
	TOTAL OBS	275	249.	279.	261	273	265	275	274	266	274	263	275	3224
		·						-						
	MEAN	1020.0	1018.4	1013.11	1013.6	1012.5	1013.0	1014.3	1014.4	1016.23	1017.3	1019.3	1018.8	1015.9
	S D	8.588	8.489	8.369	7.984	7.158	5.769	4.684	4.735	6.676	7.881	8.180	8.709	7.838
	TOTAL OBS	276.	249	277.	265	274.	267	272	278	269	272	265	274	3238
		•						·						
	MEAN	1021.2	1019.6	1014.4	1014.6	1013.0	1013.3	1015.0	1015.2	1017.51	1018.8	1020.4	1019.8	1016.9
	S D	8.700	8.692	8.293	8.006	7.134	5.828	4.563	4.625	6.729	7.781	8.238	8.812	7.943
	TOTAL OBS	267	250	276	265	274	260	271	267	262	269	267	275	3205
								<u> </u>						
	MEAN	1020.83	1019.2	1013.71	1013.7	1012.1	1012.2	1014.1	1014.1	1016.43	1 G1 7. 9	1019.6	1019.5	1016.1
1	\$ D	8.774	8.716	8.265	8.032	7.149	5.733	4.554	4.543	6.684	7.729	8.323	8.718	7.995
	TOTAL OBS	273	248	276	265	273	269	276		267	275	264	276	3 230
		L			·			li						
	MEAN	1018.4	1617.1	1011.9	1012.3	1010.9	1010.7	1012.5	1012.4	1014.5	C15.6	1017.2	1017.1	1014.2
	5 D		8.679	8.175	7.879	7.200	5.716	4.506	4.750	6.490	7.684	8.249	8.729	7.609
	TOTAL OBS	273	252	274	265	271.	266	276	273	262	270	262	278	3222
		·		·										
	MEAN	1919.6	1017.8	1012.0	1012.3	1010.7	1010.4	1012.0	1012.0	1014.4	1014.0	1018.1	1018.2	1014.4
	5 D	8.577	8.526	7.850	7.696	7.058	5.474	4.436	4.605	6.412	7.581	8.275	8.786	7.985
	101AL 085	278.	244	278	264	276	265	274	270	263	278	264	272	3230
		L						<u> </u>		·				
	MEAN	10.0.8	1819.1	1013.61	1013.6	1011.6	1010.8	1012.7	1013.1	1015.9	C17.9	1019.6	1019.2	1015.6
	S D	8.515	8.684	7.871	7.724	7.157	5.482	4.663	4.719	6.457	7.682	8.471	9.045	4.075
	TOTAL OBS	<u> </u>	249	272	265	279	264	271	275	259	272	265	270	3215
										<u> </u>				
	MEAN				1					1015.9		,		1015.7
. Z	5 0									6.746			8.907	7.946
	TOTAL OBS	272	248	275	267	279	266	275	277	265	273	268	273	3233
		-								<u> </u>				
ALL	MEAN									1015.8				1015.5
HOURS	5 D									6.676				7.965
	TOTAL OBS	2195	1993	2202	2117	2189	_ 2122	2190	2182	2113	2183	2118	2193	25797

URAPETAC TOTAL D.SP.5 (OLI)

DATE FILMED